

Mobil Oil Corporation

P.O. BOX 5444
DENVER, COLORADO 80217-5444

May 14, 1986

RECEIVED
MAY 16 1986

Utah Board of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attn: R. J. Firth
Associate Director

DIVISION OF
OIL, GAS & MINING

SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

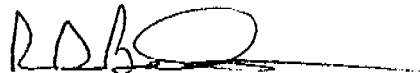
On September 20, 1984, The Superior Oil Company (Superior) became a wholly owned subsidiary of Mobil Corporation. Since January 1, 1985, Mobil Oil Corporation (MOC), another wholly owned subsidiary of Mobil Corporation, has acted as agent for Superior and has operated the Superior-owned properties.

On April 24, 1986, Superior was merged with Mobil Exploration and Producing North America Inc. (MEPNA), which is also a wholly owned subsidiary of Mobil Corporation. MEPNA is the surviving company of the merger.

This letter is to advise you that all properties held in the name of Superior will now be held in the name of MEPNA; and that these properties will continue to be operated by MOC as agent for MEPNA.

Attached is a listing of all wells and a separate listing of injection-disposal wells, Designation of Agent and an organization chart illustrating the relationships of the various companies. If you have any questions or require additional documentation of this merger, please feel free to contact me at the above address or (303) 298-2577.

Very truly yours,



CNE/rd
CNE8661

R. D. Baker
Environmental Regulatory Manager

APPLICATION FOR TEMPORARY CHANGE OF WATER

RECEIVED
AUG 15 1990

RECEIVED

Rec. by _____

Fee Paid \$ _____

Receipt # _____

Water Right # _____

Roll # _____

DIVISION OF
OIL, GAS & MINING

STATE OF UTAH

WATER RIGHTS
PRICE

For the purpose of obtaining permission to make a temporary change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Section 73-3-3 Utah Code Annotated 1953, as amended.

*WATER RIGHT NO. 09 Area _____ *APPLICATION NO. t 90 .09 .01

Changes are proposed in (check those applicable)

_____ point of diversion. X place of use. X nature of use. _____ period of use.

1. OWNER INFORMATION

Name: Phillips Petroleum Company *Interest: 100 %

Address: 152 North Durbin Floor 2

City: Casper State: Wyoming Zip Code: 82601

2. *PRIORITY OF CHANGE: August 10, 1990 *FILING DATE: August 10, 1990

*Is this change amendatory? (Yes/No): No

3. RIGHT EVIDENCED BY: 09-281 (A32773)

Prior Approved Temporary Change Applications for this right: None

***** HERETOFORE *****

4. QUANTITY OF WATER: 8.0 cfs and/or _____ ac-ft.

5. SOURCE: (20) Underground Wells

6. COUNTY: San Juan

7. POINT(S) OF DIVERSION: See Attached Sheet

Description of Diverting Works: All 16-inch diameter, 20-30 feet deep

8. POINT(S) OF REDIVERSION

The water has been rediverted from _____ at a point: _____

Description of Diverting Works: _____

9. POINT(S) OF RETURN

The amount of water consumed is 8.0 cfs or _____ ac-ft.

The amount of water returned is _____ cfs or _____ ac-ft.

The water has been returned to the natural stream/source at a point(s): _____

*These items are to be completed by the Division of Water Rights.

Temporary Change

10. NATURE AND PERIOD OF USE

Irrigation: From _____ to _____
Stockwatering: From _____ to _____
Domestic: From _____ to _____
Municipal: From _____ to _____
Mining: From _____ to _____
Power: From _____ to _____
Other: Oilfield From January 1 to December 31

11. PURPOSE AND EXTENT OF USE

Irrigation: _____ acres. Sole supply of _____ acres.
Stockwatering (number and kind): _____
Domestic: _____ Families and/or _____ Persons.
Municipal (name): _____
Mining: _____ Mining District in the _____ Mine.
Ores mined: _____
Power: Plant name: _____ Type: _____ Capacity: _____
Other (describe): Oilfield pressure maintenance and secondary recovery uses.

12. PLACE OF USE

Legal description of place of use by 40 acre tract(s): Ratherford Unit in San Juan County.

13. STORAGE

Reservoir Name: _____ Storage Period: from _____ to _____
Capacity: _____ ac-ft. Inundated Area: _____ acres.
Height of dam: _____ feet.
Legal description of inundated area by 40 tract(s): _____

***** THE FOLLOWING CHANGES ARE PROPOSED *****

14. QUANTITY OF WATER: _____ cfs and/or 3.0 ac-ft.

15. SOURCE: (20) Underground Water Wells

Balance of the water will be abandoned: _____, or will be used as heretofore: X

16. COUNTY: San Juan

17. POINT(S) OF DIVERSION: Same as Heretofore

Description of Diverting Works: _____

*COMMON DESCRIPTION: 2 miles SE of Montezuma Creek Montezuma Creek Quad

18. POINT(S) OF REDIVERSION

The water will be rediverted from _____ at a point: _____

Description of Diverting Works: _____

19. POINT(S) OF RETURN

The amount of water to be consumed is _____ cfs or 3.0 ac-ft.

The amount of water to be returned is _____ cfs or _____ ac-ft.

The water will be returned to the natural stream/source at a point(s): _____

20. NATURE AND PERIOD OF USE

Irrigation: From ___/___/___ to ___/___/___
Stockwatering: From ___/___/___ to ___/___/___
Domestic: From ___/___/___ to ___/___/___
Municipal: From ___/___/___ to ___/___/___
Mining: From ___/___/___ to ___/___/___
Power: From ___/___/___ to ___/___/___
Other: From 8 / 10 / 90 to 8 / 9 / 91

21. PURPOSE AND EXTENT OF USE

Irrigation: _____ acres. Sole supply of _____ acres.
Stockwatering (number and kind): _____
Domestic: _____ Families and/or _____ Persons.
Municipal (name): _____
Mining: _____ Mining District at the _____ Mine.
Ores mined: _____
Power: Plant name: _____ Type: _____ Capacity: _____
Other (describe): Oil & gas well construction and other associated uses.

22. PLACE OF USE

Legal description of place of use by 40 acre tract(s): _____
Ratherford Unit 12W-44A: SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12, T41S, R23E, SLB&M
Ratherford 11-41: NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 11, T41S, R23E, SLB&M.

23. STORAGE

Reservoir Name: _____ Storage Period: from _____ to _____
Capacity: _____ ac-ft. Inundated Area: _____ acres.
Height of dam: _____ feet.
Legal description of inundated area by 40 tract(s): _____

24. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. Include any supplemental water rights used for the same purpose. (Use additional pages of same size if necessary):
3.0 acre feet of water will be taken from the Ratherford Unit well complex and used for the construction of two additional wells.

The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

S. H. Oden
Signature of Applicant(s)

Application for Temporary Change of Water
Phillips Petroleum Company

Paragraph #7 Heretofore Points of Diversion and
Paragraph #17 Hereafter Points of Diversion

- 1) S. 950 ft. & W. 148 ft. from NE Cor. Sec. 5, T41S, R24E, SLB&M
- 2) S. 1014 ft. & W. 442 ft. from NE Cor. Sec. 5, T41S, R24E, SLB&M
- 3) S. 1007 ft. & W. 741 ft. from NE Cor. Sec. 5, T41S, R24E, SLB&M
- 4) S. 1010 ft. & W. 592 ft. from NE Cor. Sec. 5, T41S, R24E, SLB&M
- 5) S. 982 ft. & W. 294 ft. from NE Cor. Sec. 5, T41S, R24E, SLB&M
- 6) S. 887 ft. & W. 2 ft. from NE Cor. Sec. 5, T41S, R24E, SLB&M
- 7) S. 863 ft. & E. 145 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M
- 8) S. 843 ft. & E. 293 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M
- 9) S. 818 ft. & E. 440 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M
- 10) S. 803 ft. & E. 590 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M
- 11) S. 789 ft. & E. 739 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M
- 12) S. 803 ft. & E. 1137 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M
- 13) S. 802 ft. & E. 1334 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M
- 14) S. 759 ft. & E. 1529 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M
- 15) S. 715 ft. & E. 1725 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M
- 16) S. 672 ft. & E. 1920 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M
- 17) S. 1792 ft. & W. 352 ft. from NE Cor. Sec. 4, T41S, R24E, SLB&M
- 18) S. 1792 ft. & W. 952 ft. from NE Cor. Sec. 4, T41S, R24E, SLB&M
- 19) S. 1792 ft. & W. 652 ft. from NE Cor. Sec. 4, T41S, R24E, SLB&M
- 20) S. 1714 ft. & W. 1545 ft. from NE Cor. Sec. 4, T41S, R24E, SLB&M

STATE ENGINEER'S ENDORSEMENT

TEMPORARY CHANGE APPLICATION NUMBER: t90-09-01

1. August 10, 1990 Change Application received.
2. August 13, 1990 Application designated for APPROVAL by MP.
3. Comments:

Conditions:

This application is hereby APPROVED, dated August 13, 1990, subject to prior rights and this application will expire on August 9, 1991.



Mark Page, Area Engineer
for

Robert L. Morgan, State Engineer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER ☐

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

152 N. Durbin, 2nd floor; Casper, WY 82601

4. LOCATION OF WELL (Report location clearly and in accordance with State requirements.)

At surface

2121' FNL, 1846' FEL Sec. 24 (SW NE)

At proposed prod. zone

same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 4 miles SW of Montezuma Creek, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drg. unit line, if any)

519'

16. NO. OF ACRES IN LEASE

1360

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1194'

19. PROPOSED DEPTH

5560'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4642' GR

22. APPROX. DATE WORK WILL START*

Upon Approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	120'	Circulate to Surface
12-1/4"	9-5/8"	36#	1460'	Circulate to Surface
8-3/4"	7"	20, 23, 26#	5560'	Desired TOC is 1360'. Final volume will be based on caliper hole volume plus 20%.

Phillips Petroleum Company proposes to drill a 5560 ft development well to the Desert Creek Formation. Blow out preventers will be tested weekly. I hereby certify that I am responsible under the terms and conditions of the lease to conduct lease operations in conjunction with the application.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Phillips Petroleum Company.

cc: 0+6 BLM Farmington 1 R. C. Arnim
1 P.J. Konkell 1 Casper RC
1 R. Redington 1 M. L. Menghini

2. J. E. Hasely

1 J. E. Hasely

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

S. H. Oden

S. H. Oden

TITLE

District Superintendent

DATE

11-21-90

(This space for Federal or State office use)

API

43-037-31593

REMARK NO.

APPROVAL DATE

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

APPROVED BY

TITLE

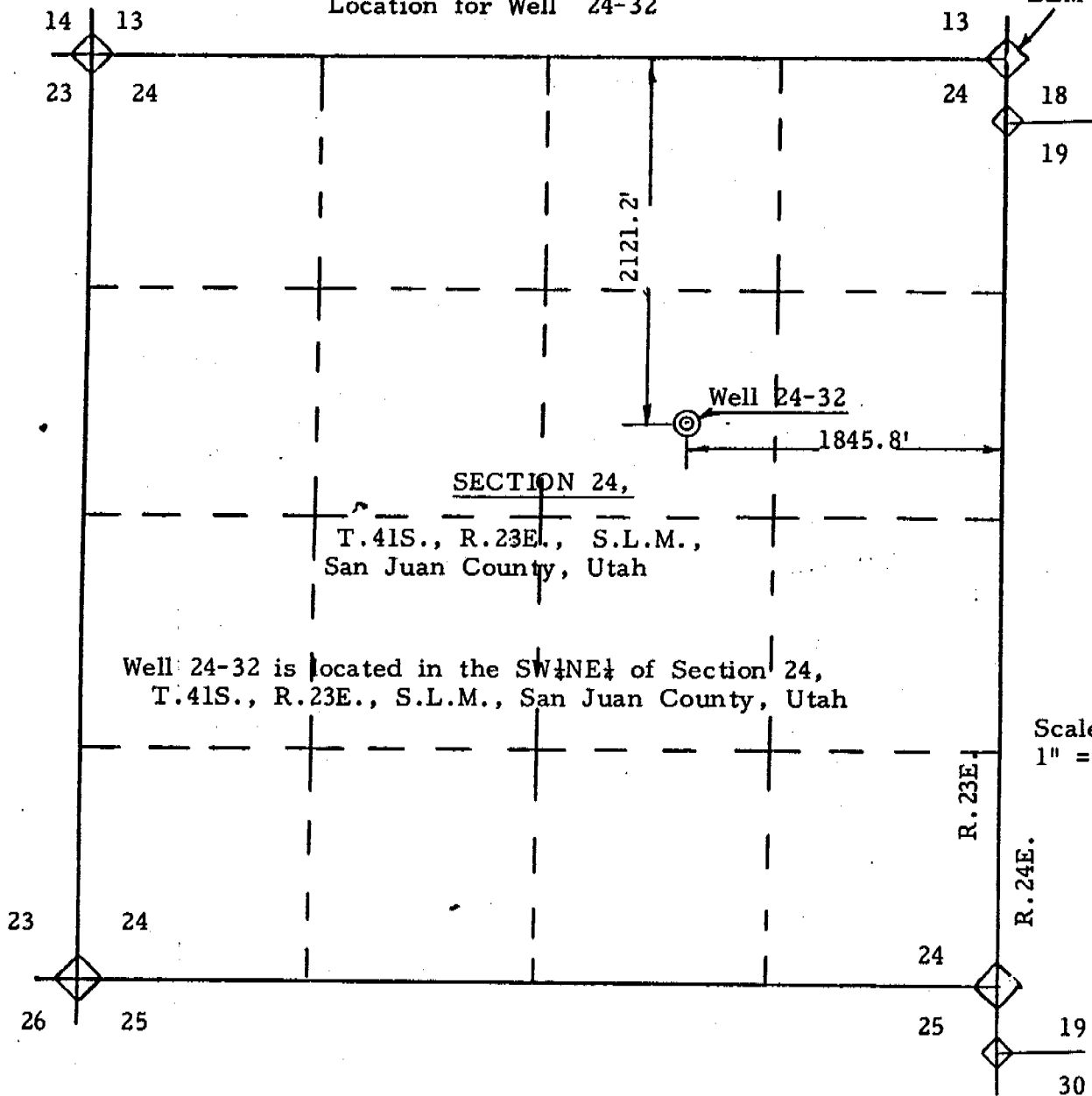
DATE

12-3-90

BY

WELL SPACING: *Ratherford Unit*

*See Instructions On Reverse Side



Bearing is based on the bearing of the
west line of Section 19, T.41S., R.24E.,
from the NW Corner to the SW Corner,
both brass cap monuments. This
bearing is South.

Datum elev. is elevation
shown on USGS quad map
for SE Corner Sec. 12,
T41S, R23E, -
Elev. 4802

Ref. elev. 4656.9

Reserve

N.62°50'19"W.
211.46'

Well 24-32

Ground elev. 4642.3

Laydown -
S.62°50'19"E. - 217.37'

Ref. elev. 4622.3

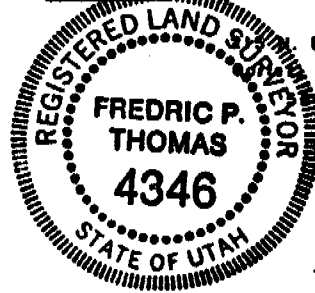
Scale: 1" = 100'

KNOW ALL MEN BY THESE PRESENTS:
THAT I, FREDRIC P. THOMAS
do hereby certify that I prepared this plat from an
actual and accurate survey of the land and that the
same is true and correct to the best of my knowledge
and belief.

Fredric P. Thomas
FREDRIC P THOMAS
Reg. L.S. and P.E.
Colo. Reg. No. 6728
Utah Reg. No. 4346

Bearing by
Solar
observation

THOMAS Engineering Inc.



Linden
Colorado
4496

Phillips Petroleum Company
Ratherford Unit 24-32
SW NE Section 24, T41S, R23E
San Juan County, Utah

Supplemental Information to Form 3160-3, Application for Permit to Drill, Deepen, or Plug Back.

DRILLING PROGRAM

1. Estimated Tops of Geologic Markers (RKB):

Ground level elevation is 4,640'. Estimated KB height is 13'.

Shinarump	2,190'	Ismay	5,193'
DeChelly	2,405	Gothic Shale	5,339
Hermosa	4,430	Desert Creek	5,358

2. Top and Bottom Depths at which Water, Oil, Gas, Salt, Uranium, Coal, and Other Mineral Bearing Formations Are Expected:

Water is expected in the Navajo, Wingate, and DeChelly formations. The lowest known usable water is expected at the base of the Wingate at 1,308'. Oil and associated gas are expected in the Ismay and Desert Creek formations. Salt may be encountered beneath the Desert Creek formation.

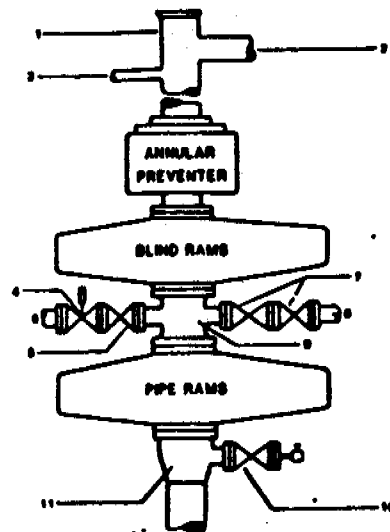
3. Blowout Prevention Equipment:

The BOP equipment will be 11" 3,000 psi WP. An accumulator system will be used with hydraulic controls located at the accumulator. Remote controls will be readily accessible to the driller.

BOP pressure tests up to 3,000 psi (2,100 psi for the annular) shall be conducted upon initial installation, whenever any seal is broken, after any repairs, and at thirty (30) day intervals. In addition, the BOP's will be function tested each trip out of the hole, and pressure tested weekly to 1,500 psi.

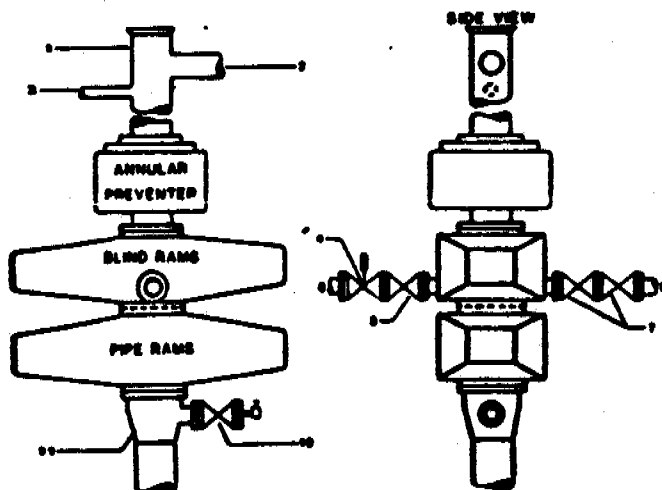
BOP tests will be conducted in accordance with Federal requirements and the Phillips Petroleum Company Well Control Manual. BOP drills will be conducted weekly for each drilling crew. All pressure tests and BOP drills will be witnessed by Phillips' representative and the contractor's senior supervisor and recorded in the driller's log which will remain on the rig floor at all times.

The wellhead equipment shall consist of an 11" 3,000 psi WP x 9-5/8" SOW bradenhead and an 11" 3,000 psi WP x 7-1/16" 3,000 psi WP tubing head.



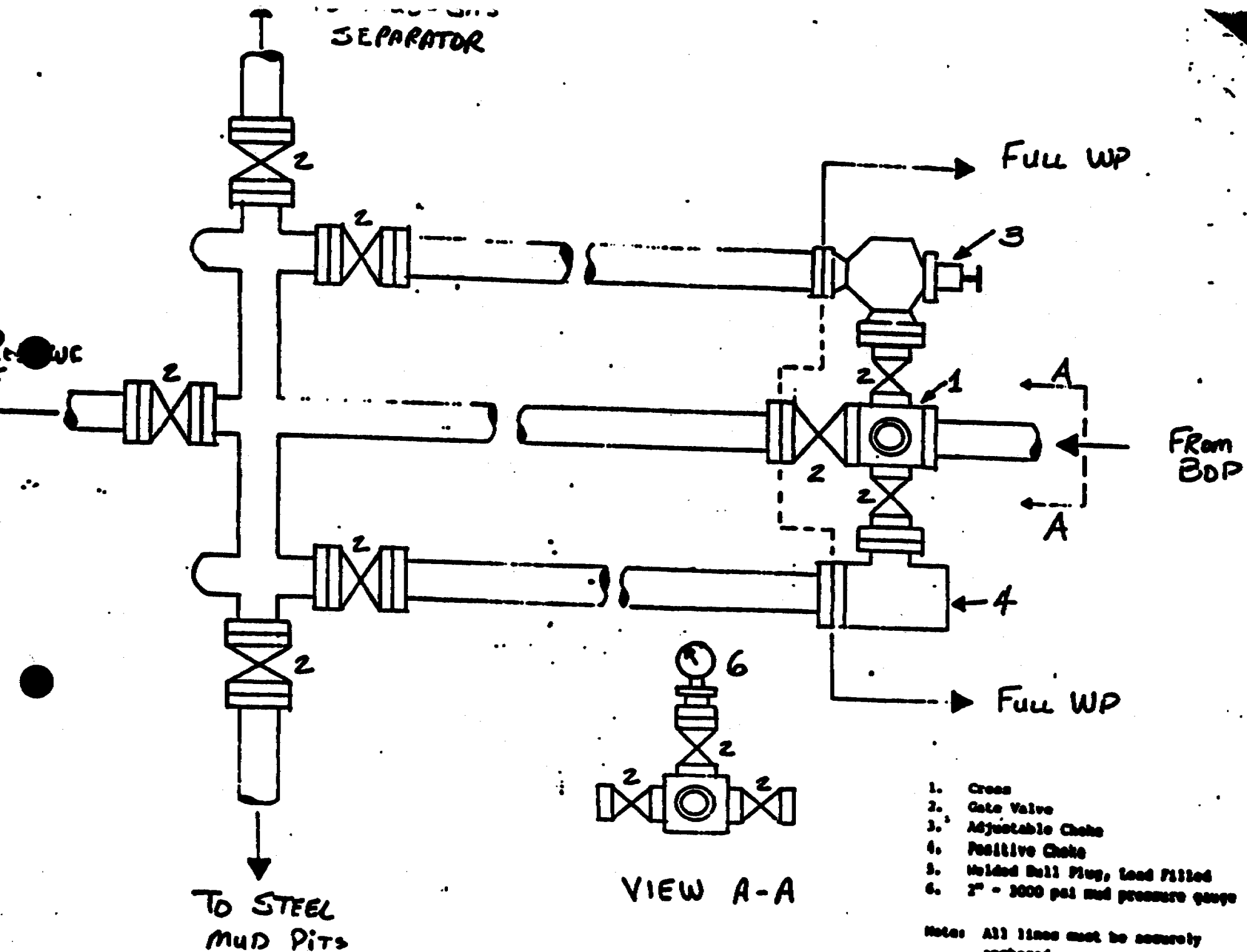
1. BELL NIPPLE
2. FLOW LINE
3. FILL-UP LINE
4. 3" FE PRESSURE OPERATED CHOKE LINE VALVE
5. 2" FE GATE VALVE
6. 2" FE CHOKE LINE TO CHOKE MANFOLD
7. 2" FE GATE VALVES
8. 2" FE KILL LINE
9. DRILLING SPOOL
10. 2" SE OR FE GATE VALVE WITH NEEDLE VALVE
11. CASING HEAD HOUSING

Figure 7-7. Standard Hydraulic Blowout Preventer Assembly
(3 M Working Pressure) Alternative 1



1. BELL NIPPLE
2. FLOW LINE
3. FILL-UP LINE
4. 3" PRESSURE OPERATED CHOKE LINE VALVE
5. 2" GATE VALVE
6. 2" CHOKE LINE TO CHOKE MANFOLD
7. 2" GATE VALVES
8. 2" FE KILL LINE
9. 2" SE OR FE GATE VALVE WITH NEEDLE VALVE
11. CASING HEAD HOUSING

Figure 7-8. Standard Hydraulic Blowout Preventer Assembly
(3 M Working Pressure) Alternative 2 (without Drilling Spool)



4.a. Casing and Cementing Programs:

All usable water and productive oil and gas zones will be covered with casing and cement as detailed below:

Conductor Pipe:

Hole Size : 17-1/2" to 120 ft
 Casing : 120', 13-3/8", 48 lb/ft, H-40, ST&C
 Cement : Cement casing to surface with 180 sx Class 'G' cement.

Surface Casing:

Hole Size : 12-1/4" to 1,460 ft
 Casing : 1,460', 9-5/8", 36 lb/ft, J-55, ST&C
 Cement : Cement casing to surface with 320 sx Light cement followed by 275 sx Class 'G' cement. Possible top job with 100 sx Class 'G' cement.
 Casing Test : Will test to 1,500 psi prior to drilling out.

Production Casing:

Hole Size : 8-3/4" to 5,560 ft TD
 Casing : Surface to 3,300', 7", 20 lb/ft, J-55, ST&C
 3,300' to 4,900', 7", 23 lb/ft, J-55, ST&C
 4,900' to 5,560', 7", 26 lb/ft, J-55, ST&C
 Cement : Cement casing to desired TOC of 1,360' for the lead slurry and of 4,650' for the tail. The lead and tail slurries will be Light and Class 'G' cements respectively. Final cement volume will be based on caliper log hole volume plus 20% excess.
 Casing Test : Will test to 2,500 psi.

4.b. Auxiliary Equipment to be Used:

Kelly Cocks : Upper and lower with handle available.

Bit Floats : None.

Mud Monitoring Equipment : Pit level indicator and flowline sensor.

Drill String Safety Valve: Will have available on the drill floor at all times to fit any section of tubing or drill string being used.

5. Drilling Fluids:

Adequate inventories of mud materials will be stored on location to build a mud volume equal to the active system on the rig in order to assure well control. The drilling fluid program is as follows:

0-1,460':

Type : Fresh water and gel
Mud Weight : 8.4 to 8.6 ppg
Fluid Loss : No Control

1,460'-2,300':

Type : Fresh water, low solids, non-dispersed polymer
Mud Weight : 8.6 to 9.9 ppg
Viscosity : 32 to 38 sec/qt
Fluid Loss : Below 15 cc/30 min
pH : 10.0 to 10.5 using caustic soda

2,300'-5,560':

Type : Fresh water, low solids, non-dispersed polymer
Mud Weight : 9.9 to 10.5 ppg
Viscosity : 40 to 45 sec/qt
Fluid Loss : Below 10 cc/30 min
pH : 10.0 to 10.5 using caustic soda

6. Testing, Logging, and Coring Program:

Logging Program:

1. GR, SP, DIL, BHC Sonic, CAL from TD to surface casing.
2. GR, CNL/LDT, PE, CAL from TD to 3,560'.

Sample Program : 30' samples from surface casing to 5,100'.
10' samples from 5,100' to TD.

Testing Program : Record pressures from pay zones with RFT.

Mud Logging : Mud log from 5,100' to TD.

7. Down Hole Conditions:

Maximum BHP expected is 2,000 psi
H₂S is anticipated in the Desert Creek formation. An H₂S contingency plan will be utilized.
Abnormal pressures and temperatures are not anticipated.

8. Other Facets:

Anticipated spud date is January 2, 1990.
Drilling time to TD will be approximately 15 days depending upon unforeseen problems and/or weather conditions.

CULTURAL RESOURCE REPORT

The Navajo Historic Preservation Office is currently preparing a cultural resource inventory of the subject wellsite. A copy of the report will be sent to the BIA in Shiprock.

SURFACE USE PROGRAM

1. Existing Roads

- a. Access to existing lease roads is approximately 5 miles south of Montezuma Creek, Utah.
- b. The existing roads will be maintained in it's present condition or upgraded as needed during drilling operations.
- c. Refer to the attached access road map for road information.

2. Access Roads to be Constructed or Reconstructed

This well is in an existing oil field. Roads currently exist to within 400 feet of the well site.

The 400 feet of new access will be flat bladed and ditched with culverts and gravel used where needed.

3. Location of Existing Wells

Locations of existing wells are shown on the attached maps.

4. Production Facilities

Production from the proposed well will be piped to the Ratherford Unit Satellite #24 located in the NE NE Sec. 24-T41S-R24E, San Juan County, Utah. The liquids will then be piped to Tank Battery #1, located in the SW SW Sec. 16-T41S-R24E.

5. Water Supply

- a. The source of water to drill the subject well will be from the River Booster, NE/4 Sec. 5., or from the Water Injection Plant, SE/4 Sec. 17 in T41S-R24E, San Juan County, Utah.
- b. The drilling water will be trucked from the water source to the subject well.
- c. A water supply well will not be drilled on the lease.

6. Construction Materials

- a. Only native soils will be used for construction of wellsite and the access road.
- b. Pit run rock will be used on the wellsite and access road when needed.
- c. The above materials are owned by the Navajo Tribe.

7. Waste Disposal

- a. Cuttings: Cuttings will be contained in a fenced reserve pit until dry enough to cover. Upon abandonment, the reserve pit area will be backfilled, shaped to natural topography, and seeded.
- b. Drilling Fluid: Drilling fluid will be contained in a fenced reserve pit until dry enough to cover. Upon abandonment, the reserve pit area will be backfilled, shaped to natural topography, and seeded.
- c. Garbage/Trash: All garbage and trash will be put in the burn pit. The burn pit will be fenced on four sides. After the burn pit is no longer in use, the trash and garbage will be covered with a minimum of 4 feet of fill.
- d. Salt: No salts are anticipated on this well. If salt is present, it will be disposed of in the reserve pit.
- e. Chemicals: Chemicals used in the well will be disposed of in the reserve pit.
- f. Sewage and graywater: Sewage and graywater from the drillers and Phillips staff trailers will be held in a self contained system. Portable chemical toilets will also be available on location.
- g. Produced fluids: Produced fluids from the well will be placed in tanks on location or piped to Tank Battery #1.

8. Ancillary Facilities:

- a. There will be no drilling camp on location. Several mobile housing units will be on location for various personnel. A self contained sewage and graywater system will be provided for these facilities.
- b. No airstrip will be needed.

9. Well Site Layout
 - a. Refer to the attached rig layout plan.
 - b. Lining of the reserve pit is not anticipated. If porous soils are encountered the pit will be lined.
10. Surface Reclamation Plan:
 - a. Construction Program:
 1. Six to eight inches of surface material will be stripped and stockpiled prior to construction. This soil will not be used for any purpose except final rehabilitation of the disturbed area.
 2. See the cross sectional diagram of the location for construction specifics.
 3. All temporary disturbances will be restored to their original contour.
 4. Trees, if any, will be stockpiled separately of topsoil.
 - b. Well Abandonment: The disturbed areas will be recontoured to the original topography. No unnatural depressions will be left that may collect water. The stockpiled topsoil will be distributed evenly over the area. The area will be reclaimed and seeded in accordance with BLM specifications.
 - c. Injection Well: Those areas not needed for injection purposes will be recontoured to the surrounding topography. Topsoil will be evenly distributed over areas not needed. These areas will be seeded per BLM specifications.
 - d. Injection lines already exist and are buried.
 - e. Rehabilitation will begin the fall following the completion of drilling activities depending on weather conditions and the pit evaporation rate.
11. Surface Ownership: The wellsite location, access road and leadline are on the Navajo Indian Reservation. No dwellings are in the proposed drilling area.
12. Other Information: Anticipated drilling time is 15 days, dependent on unknown problems and weather.

The proposed well is a replacement well for the #12W-44 that was recently abandoned.

13. Operator's Representative and Certification:

S. H. Oden
District Superintendent
Phillips Petroleum Company
152 N. Durbin, 2nd floor
Casper, Wyoming 82601
(307) 237-3791

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist, that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Phillips Petroleum Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of false statement.

S. H. Oden
S. H. Oden
District Superintendent

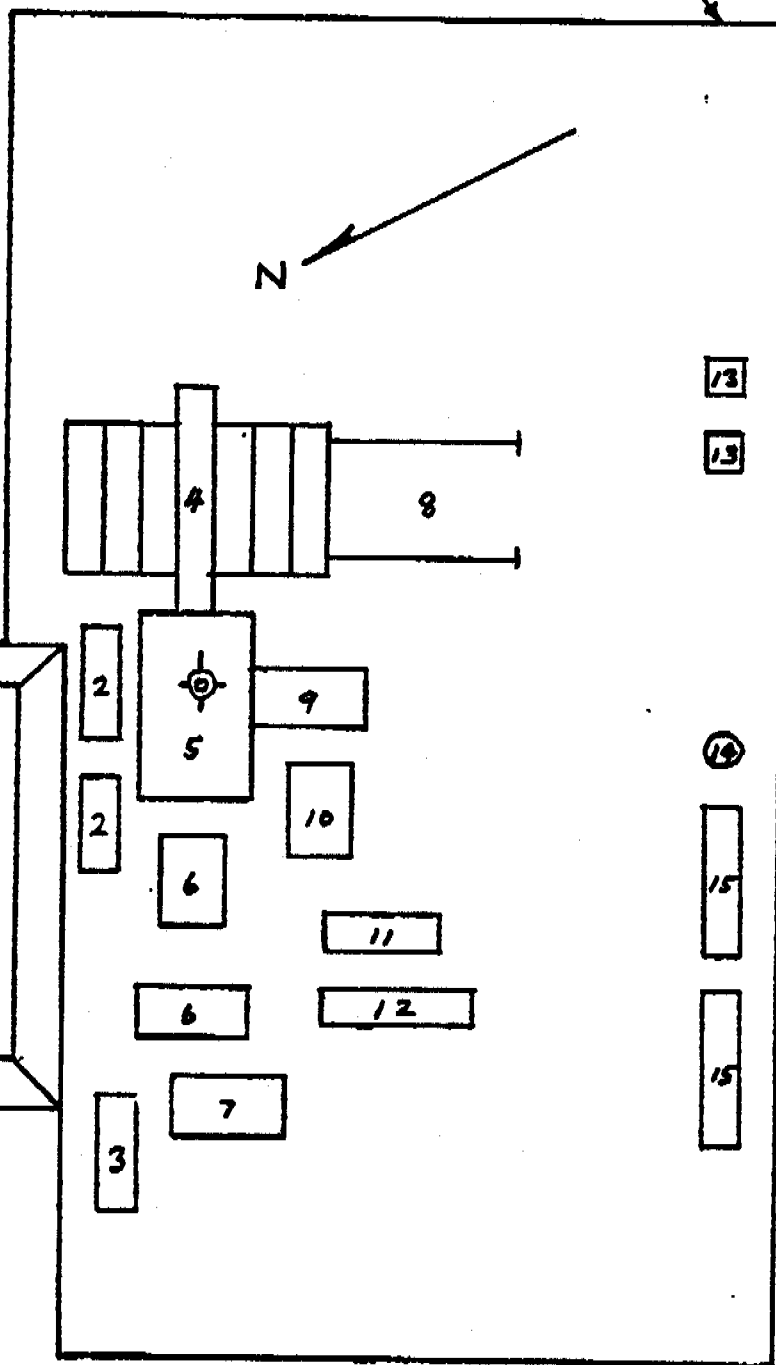
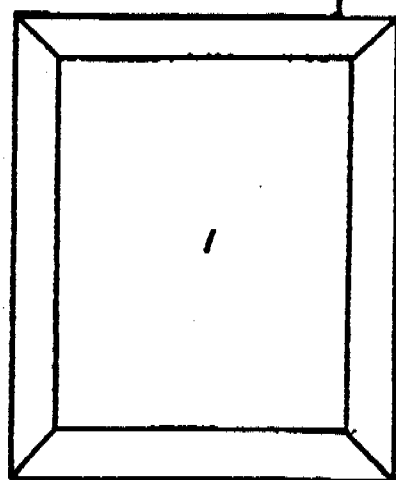
11/30/90
Date

LEH/crr/fb
11-15-90

Ratherford Unit 24-32
San Juan County, Utah
Location Layout

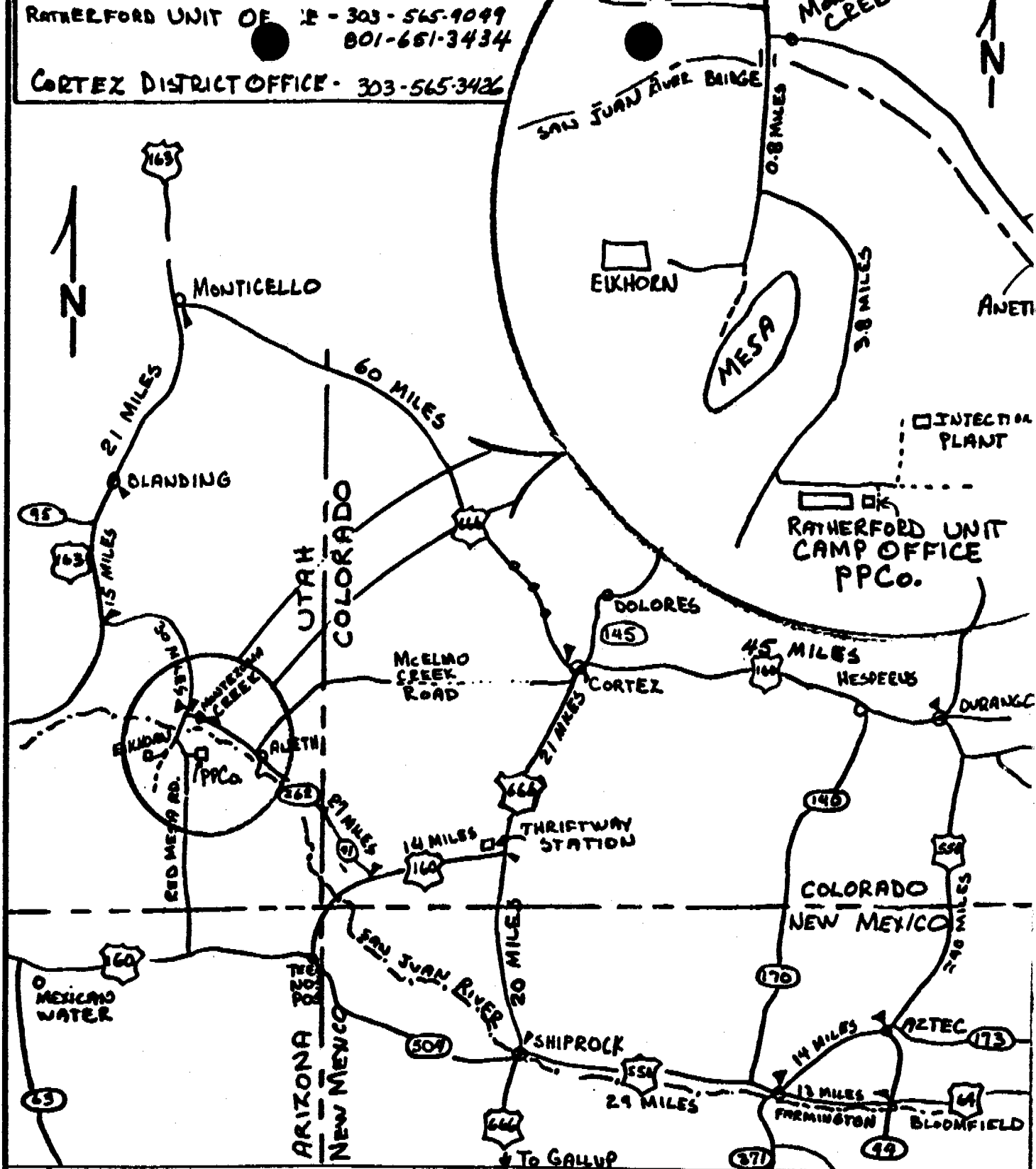
(Overall Size: 285' x 350')

LEGEND	
1	Reserve Pit
2	Mud Tank
3	Mudlogger
4	Catwalk
5	Substructure
6	Pump
7	Boiler
8	Pipe Racks
9	Doghouse
10	Water Tank
11	Fuel Tank
12	Utility Shop
13	Chemical Toilets
14	Potable Water
15	Trailers

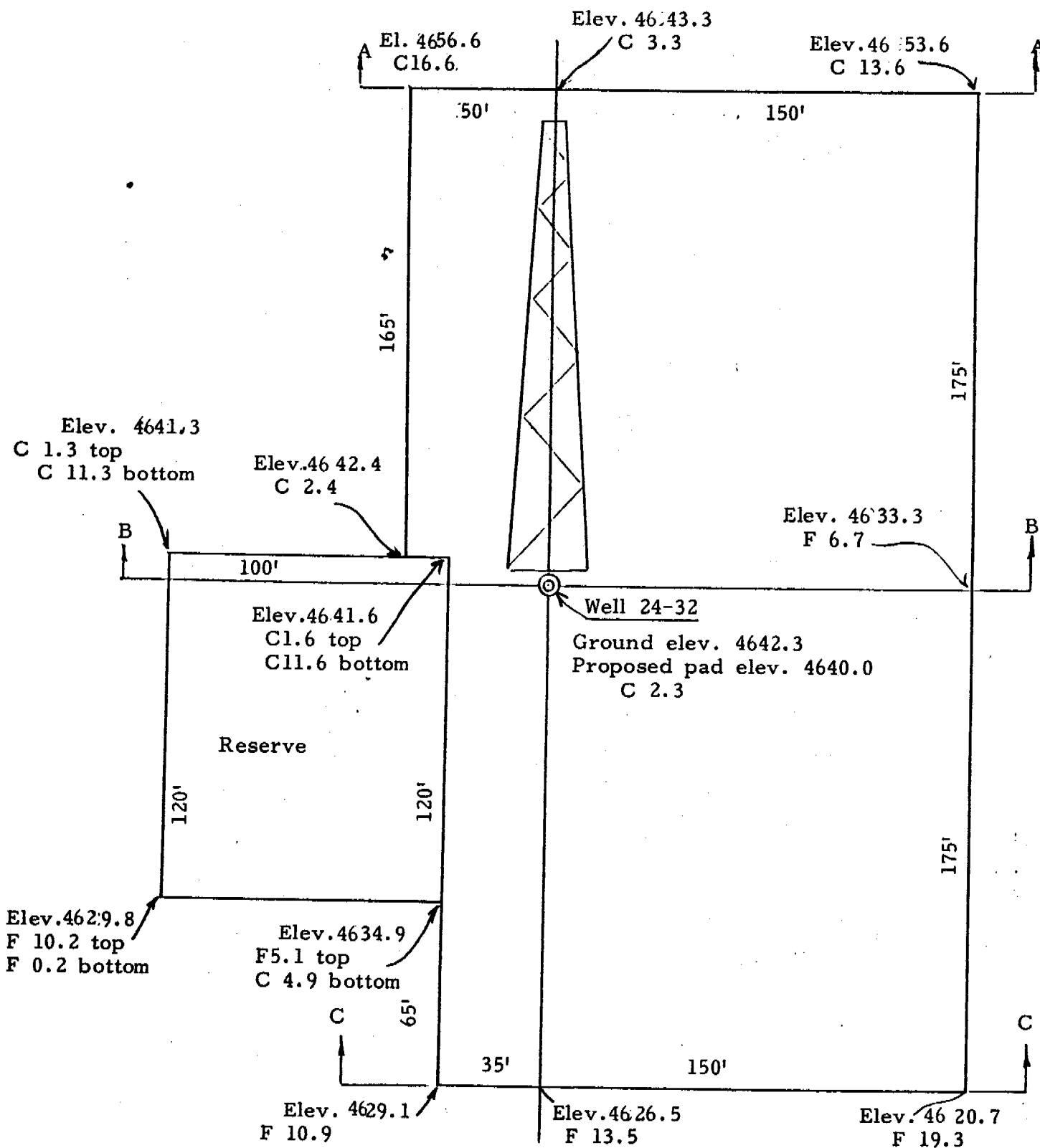


RATHERFORD UNIT OF E - 303-565-9099
801-661-3434

CORTEZ DISTRICT OFFICE - 303-565-3426



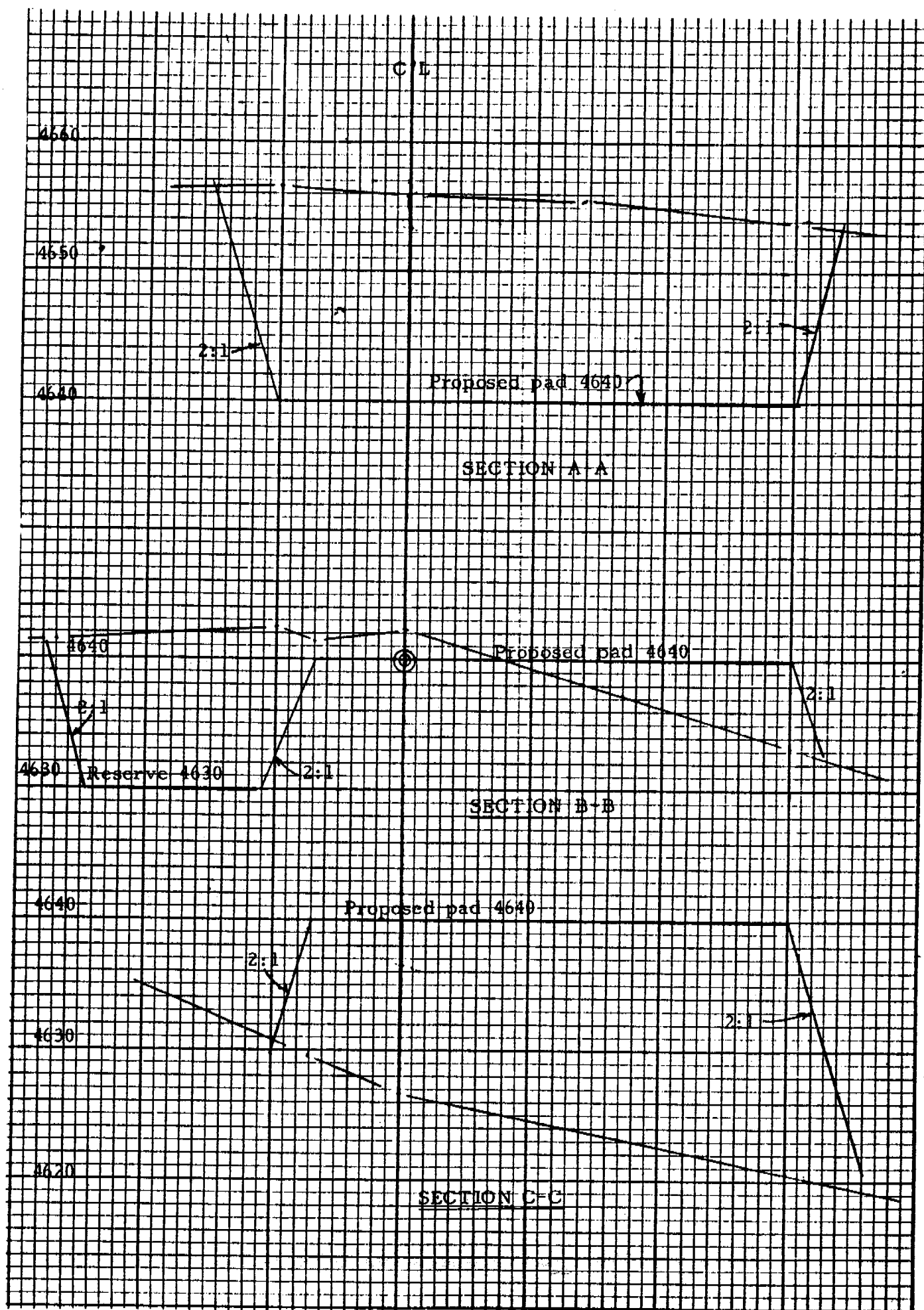
NO.	REVISION	BY	DATE	CHKD	APPD
FOR BIDS		PHILLIPS PETROLEUM COMPANY		JA NO.	FILE CODE
FOR APPR		BARTLESVILLE, OKLAHOMA		AFE NO.	SCALE
FOR CONST		ROAD MAP		NONE	
DRAWN 2/2/90		RATHERFORD UNIT		DWG NO.	
CHECKED				SH NO.	
APPD					



Scale: 1" = 50'

THOMAS Engineering Inc.

215 N. Linden
Cortez, Colorado
565-4496



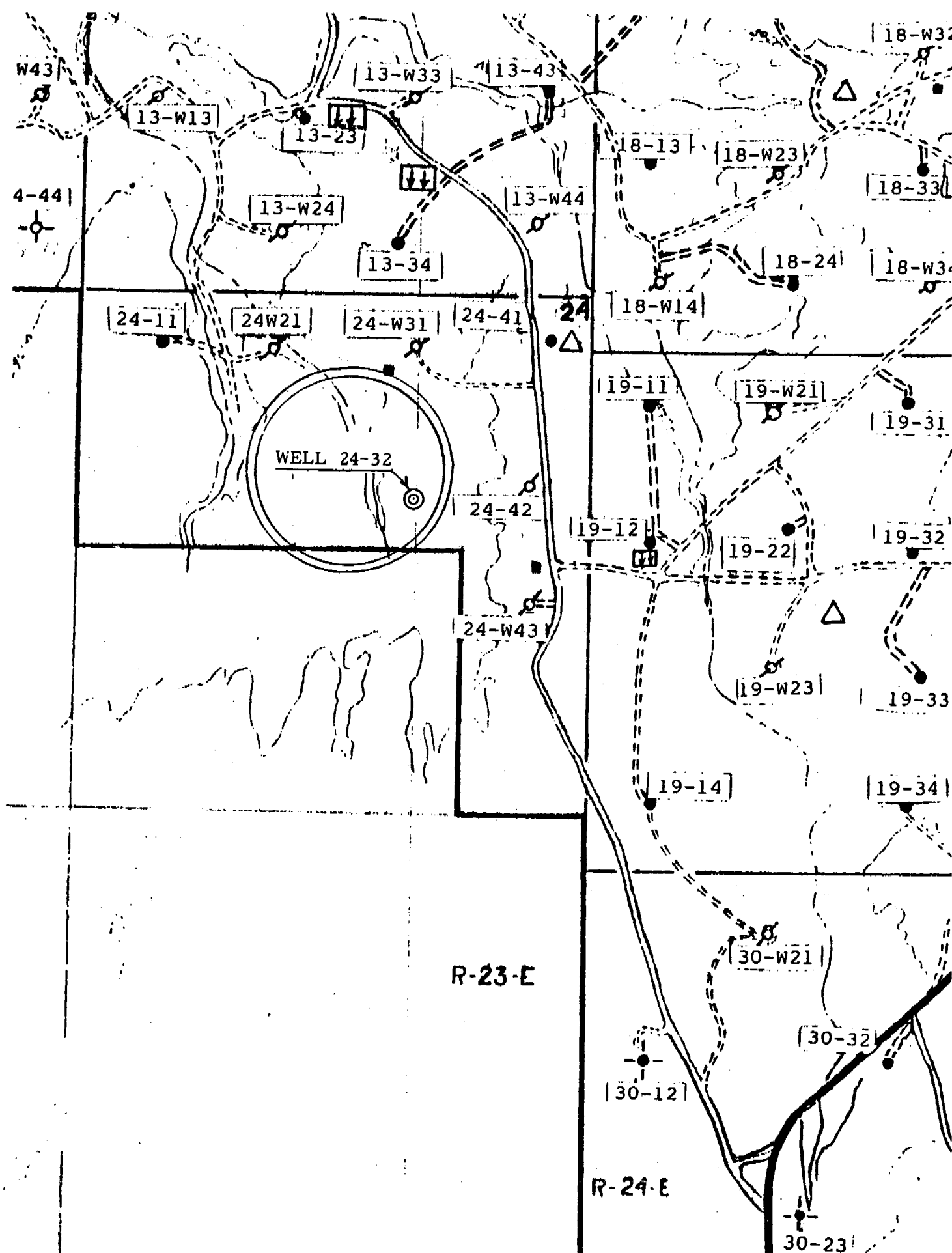
Horizontal scale: 1" = 50'

Vertical scale: 1" = 10'

THOMAS Engineering Inc.

215 N. Linden
Cortez, Colorado
565-4496

LOCATION MAP



THOMAS Engineering Inc.

216 N. Linden
Cortez, Colorado
965-4496

OPERATOR Phillips Petroleum Co N-0770 DATE 11-29-90

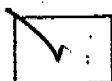
WELL NAME Rathford 04.30

SEC SWNE 04 T 41S R 03E COUNTY San Juan

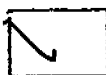
43-037-31593
API NUMBER

Indian (S)
TYPE OF LEASE

CHECK OFF:



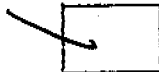
PLAT



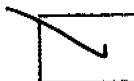
BOND



NEAREST
WELL



LEASE



FIELD
SLBM



POTASH OR
OIL SHALE

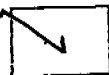
PROCESSING COMMENTS:

1990 P.O.D. approved 7-28-90

Water Permit 04 Area (+90.09-01)

APPROVAL LETTER:

SPACING:

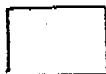


R615-2-3

Rathford
UNIT



R515-3-2



N/A
CAUSE NO. & DATE



R615-3-3

STIPULATIONS:

CC: BIA



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangertter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

December 3, 1990

Phillips Petroleum Company
152 N. Durbin, 2nd Floor
Casper, Wyoming 82601

Gentlemen:

Re: Ratherford 24-32 - SW NE Sec. 24, T. 41S, R. 23E - San Juan County, Utah
2121' FNL, 1846' FEL

Approval to drill the referenced well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule R615-2-3, Oil and Gas Conservation General Rules.

In addition, the following actions are necessary to fully comply with this approval:

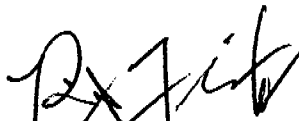
1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.
4. Prompt notification if it is necessary to plug and abandon the well. Notify R. J. Firth, Associate Director, (Office) (801) 538-5340, (Home) 571-6068, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Rule R615-3-20, Gas Flaring or Venting, Oil and Gas Conservation General Rules.

Page 2
Phillips Petroleum Company
Ratherford 24-32
December 3, 1990

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31593.

Sincerely,



R. J. Pirth
Associate Director, Oil & Gas

tas
Enclosures
cc: Bureau of Land Management
Bureau of Indian Affairs
J. L. Thompson
we14/1-8

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ Well File

☐ Suspense

☐ Other

(Location) Sec ___ Twp ___ Rng ___

(Return Date) _____

(API No.) _____

(To - Initials) _____

1. Date of Phone Call: 12-3-90 Time: 11:40

2. DOGM Employee (name) F.R. MARTINSON (Initiated Call ☒)
Talked to:

Name Ed Haseley (Initiated Call ☐) - Phone No. () _____

of (Company/Organization) Phillips Petroleum Co

3. Topic of Conversation: H₂S Requirements on drilling permit. Contingency plan -

4. Highlights of Conversation: H₂S plan being written by drilling Dept will forward a copy to us as soon as it is completed.
JAM.

H₂S has not shown up in the past, but they are seeing some now on some wells.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
DRILLING AND WELL PLUGGING INSPECTION FORM

COMPANY: Phillips Pet. Co COMPANY MAN: Rocky Perrnick
WELL NAME: Rutherford 24-32 API #: 43-037-31593
QTR/QTR: SWNE SECTION: 24 TWP: 41S RANGE: 23E
CONTRACTOR: Exter 68 PUSHER/DRLR: MD Becker
INSPECTOR: Glenn DATE: 3/4/91 OPERATIONS: Drilling
SPUD DATE: _____ TOTAL DEPTH: 1520'

DRILLING AND COMPLETIONS

☒ APD ☒ WELL SIGN ☒ BOPE ☒ RESERVE PIT
☒ FLARE PIT ☒ BURN PIT ☒ H2S ☒ BLOOIE LINE
☒ SANITATION ☒ HOUSEKEEPING _____ VENTED/FLARED

PLUGGING AND ABANDONMENT

PRODUCING FM(S): _____

PLUGS:	TYPE/SIZE	INTERVAL
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

PERFORATIONS: _____

CASING SIZE: _____ PULLED: YES / NO CUT AT: _____

PLUGS TESTED: _____ HOW: _____ WOC: _____

MARKER: _____ SURFACE: _____ PLATE: _____

RECLAMATION:

CONTOURED: _____ RIPPED: _____ REHAB'D: _____

LEGEND: (Y)-YES (P)-PROBLEM (U)-UNKNOWN (BLANK)-NOT APPLICABLE

REMARKS: R/U & started Drilling 2/28/91 Conductor
was set?

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR PHILLIPS PETROLEUM COMPANY
ADDRESS P. O. BOX 1967
HOUSTON, TX 77251-1967

OPERATOR ACCT. NO. N 0772

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	06280		43-037-31589	RATHERFORD UNIT #13-14	SW SW	13	41S	23' 24E	San Juan	1/17/91	1/17/91
WELL 1 COMMENTS: New Drilling Well (Entity assignments made 4-26-91. JF)											
B	06280		43-037-31593	RATHERFORD UNIT #24-32	SW NE	24	41S	23E	San Juan	2/28/91	2/28/91
WELL 2 COMMENTS: New Drilling Well											
B	06280		43-037-31592	RATHERFORD UNIT #20-66	SW NW	20	41S	24E	San Juan	3/17/91	3/17/91
WELL 3 COMMENTS: New Drilling Well											
B	06280		43-037-31590	RATHERFORD UNIT #20-67	NE SW	20	41S	24E	San Juan	4/2/91	4/2/91
WELL 4 COMMENTS: New Drilling Well											
B	06280		43-037-31591	RATHERFORD UNIT #20-68	NW SW	20	41S	24E	San Juan	4/20/91	4/20/91
WELL 5 COMMENTS: New Drilling Well											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

RECEIVED

APR 24 1991

DIVISION OF
OIL GAS & MINING

J. F. Mitchell
Signature

J. F. Mitchell

Regulatory/Compliance Dir. 4/22/91
Title Date

Phone No. (713) 669-3509

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED
BLM

6. LEASE DESIGNATION AND SUBSAL NO.

14-20-603-249A

7. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribal

7. UNIT AGREEMENT NAME

SW-I-4192

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

24-32

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

11. SEC., T., R., M., OR BLK. AND
SUBSAL OR AREA

Sec. 24-T41S-R23E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

1.

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

P.O. Box 1967, Houston, Texas 77251

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

2121' FNL, 1846' FEL (SW/NE)

14. PERMIT NO.

43-037-31593

15. ELEVATIONS (Show whether DP, RT, GR, etc.)

4642' GR

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Spud, Cmt and Casing Report

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

13-3/8" 61 lb/ft K-55 STC conductor was preset at 124' and cemented to surface with 150 sx Class G + 2% CaCl₂ + 1/4 lb/sx celloflake. Spudded well 2-28-91.

Set 9-5/8" 36 lb/ft J-55 STC surface casing at 1450'. Cemented with 275 sx Class B + 20% Diacel + 2% CaCl₂ + 1/4 lb/sx celloflake, followed with 265 sx Class B + 2% CaCl₂ + 1/4 lb/sx celloflake. Conducted top job with 150 sx Class B + 2% CaCl₂ + 1/4 lb/sx celloflake in 4 stages. Cement at surface.

Set 7" production casing at 5526' as follows: Top to Bottom:

2293' 7" 20 lb/ft K-55 STC

2208' 7" 23 lb/ft K-55 STC

421' 7" 23 lb/ft K55 LTC

604' 7" 26 lb/ft K55 LTC

Cemented 7" casing with 1250 sx 35/65 Poz + 6% Gel + 1/4 lb/sx celloflake followed with 240 sx Class G + 1/4 lb/sx celloflake + 0.8% fluid loss. Cemented to surface.

O + 3 BLM Farmington

1 File

RECEIVED

MAY 20 1991

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

R.C. Arnim

TITLE Drlg. Engr. Director

DATE March 22, 1991

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACCEPTED FOR RECORD

APR 24 1991

*See Instructions on Reverse Side

FARMINGTON RESOURCE AREA

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OPERATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved,
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other _____		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. REVR. <input type="checkbox"/>	Other _____
2. NAME OF OPERATOR Phillips Petroleum Company						14. PERMIT NO. 43-037-31593	
3. ADDRESS OF OPERATOR 5525 Hwy 64 NBU 3004, Farmington, NM 87401						DATE ISSUED JUN 14 1991	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 2121' FNL, 1846' FEL (SW/NE) At top prod. interval reported below Same as above At total depth Same as above						DIVISION OF OIL GAS & MINING	
15. DATE SPUDDED 2-28-91		16. DATE T.D. REACHED 03-14-91		17. DATE COMPL. (Ready to prod.) 4-10-91		18. ELEVATIONS (OF. RKB, RT, GR, ETC.)* 4642' GL	
20. TOTAL DEPTH, MD & TVD 5526'		21. PLUG. BACK T.D., MD & TVD 5526'		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY ROTARY TOOLS X	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5367' - 5450' Desert Creek Zone I						25. WAS DIRECTIONAL SURVEY MADE NO	
26. TYPE ELECTRIC AND OTHER LOGS RUN GR/CCL,DBL/VDL, CNL						27. WAS WELL CORRED NO	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
13-3/8"		61# K-55		124'		17-1/2"	
9-5/8"		36#, J-55		1450'		12-1/4"	
7"		20#, 23#, 26#		5526'		8-3/4"	
CEMENTING RECORD		AMOUNT PULLED					
150 Sx C1 G							
690 Sx C1 B							
1250 Sx 35/65 Poz, 240 Sx		C1 G					
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
---		---		---		---	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2-7/8"		5300'					
31. PERFORATION RECORD (Interval, size and number)							
5445'-5450' 2 SPF, 4" HSC, 10 Shots 5367'-5384' 2 SPF, 4" HSC, 34 Shots							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED					
5384'-5450'		2200 gals 15% HCl, 2 gal/1000 A260 inhibitor, 2 gal/1000 W54 non-emulsifier, 5 gal/1000 chelating Agent, 2 gal/1000 F-28 surf. 30 gal/1000 J425 gel					
33. PRODUCTION							
DATE FIRST PRODUCTION 4-10-91		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping with Beam Pump				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 4-17-91		HOURS TESTED 24		CHOKE SIZE		PROD'N. FOR TEST PERIOD	
70		70		24-HOUR RATE		OIL—BBL. 51	
GAS—MCF. 20		WATER—BBL. 351		GAS-OIL RATIO 294			
OIL GRAVITY-API (CORR.)							
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold							
35. LIST OF ATTACHMENTS None							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED L. E. Robinson		TITLE Sr. Drlg. & Prod. Engr.				DATE 6-10-91	

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Distribution: 5 - BLM, Farmington 2 - Utah, Div. of OG&M 1 - The Navajo Nation 1 - R. C. Arnim (r) G. R. Young 1 - D. C. Gill 1 - V. S. Shaw 1 - F. D. Caudle 1 - T. V. Rankin 1 - W. H. Smith 1 - N. Anstine 1 - P. J. Konkel 1 - Texaco 1 - Chieftain 1 - Mobil Oil 1 - PPCo, Houston 1 - PPCo, Farmington 1 - Gale Yarrow				Shinarump	2088'	
				De Chelly	2405'	
				Hermosa	4351'	
				Ismay	5193'	
				Gothic	5339'	
				Desert Creek	5442'	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

1. LEASE DESIGNATION AND SERIAL NO.

14-20-0134249A

2. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navaajo Tribal

3. UNIT AGREEMENT NAME
SW-T-41820N

4. FARM OR LEASE NAME
Ratherford Unit

5. WELL NO.
24-32

6. FIELD AND POOL, OR WILDCAT
Greater Aneth

7. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 24-T41S-R23E

8. COUNTY OR PARISH
San Juan

9. STATE
UT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐

2. NAME OF OPERATOR
Phillips Petroleum Company

3. ADDRESS OF OPERATOR
5525 Hwy 64 NBU 3004, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State laws)
At surface 2121' FNL, 1846' FEL (SW/NE)

At top prod. interval reported below Same as above

At total depth Same as above

14. PERMIT NO. 43-037-31593

15. DATE SPUDDED 2-28-91

16. DATE T.D. REACHED 03-14-91

17. DATE COMPL. (Ready to prod.) 4-10-91

18. ELEVATIONS (OF, RKB, RT, GR, ETC.)* 4642' GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5526'

21. PLUG, BACK T.D., MD & TVD 5526'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
5367' - 5450' Desert Creek Zone I

25. WAS DIRECTIONAL SURVEY MADE
NO

26. TYPE ELECTRIC AND OTHER LOGS RUN
GR/CCL,DBL/VDL, CNL

27. WAS WELL CORRED
NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	61# K-55	124'	17-1/2"	150 Sx C1 G	
9-5/8"	36#, J-55	1450'	12-1/4"	690 Sx C1 B	
7"	20#, 23#, 26#	5526'	8-3/4"	1250 Sx 35/65 Poz, 240 Sx	C1 G

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
---	---	---	---	---

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	5300'	

31. PERFORATION RECORD (Interval, size and number)
5445'-5450' 2 SPF, 4" HSC, 10 Shots
5367'-5384' 2 SPF, 4" HSC, 34 Shots

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5384'-5450'	2200 gals 15% HCl, 2 gal/1000 A260 inhibitor, 2 gal/1000 W54 non-emulsifier, 5 gal/1000 chelating Agent, 2 gal/1000 F-28 surf. 30 gal/1000 J425 gel

33. PRODUCTION

DATE FIRST PRODUCTION 4-10-91

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)
Pumping with Beam Pump

WELL STATUS (Producing or shut-in) Producing

DATE OF TEST 4-17-91

HOURS TESTED 24

CHOKE SIZE

PROD'N. FOR TEST PERIOD

OIL—BSL. 51

GAS—MCF. 20

WATER—BSL. 351

GAS-OIL RATIO 294

FLOW, TUBING PRESS. 70

CASING PRESSURE 70

CALCULATED 24-HOUR RATE

OIL—BSL.

GAS—MCF.

WATER—BSL.

OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold

35. LIST OF ATTACHMENTS
None

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED L. E. Robinson

TITLE Sr. Drlg. & Prod. Engr.

8-10-91

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
<p><u>Distribution:</u></p> <ul style="list-style-type: none"> - BLM, Farmington - Utah, Div. of OG&M - The Navajo Nation - R. C. Arnim (r) G. R. Young - D. C. Gill - V. S. Shaw - F. D. Caudle - T. V. Rankin - W. H. Smith - N. Anstine - P. J. Konkel - Texaco - Chieftain - Mobil Oil - PPCo, Houston - PPCo, Farmington - Gale Yarrow 				<p>Shinarump De Chelly Hermosa Ismay Gothic Desert Creek</p>	<p>2088' 2405' 4351' 5193' 5339' 5442'</p>	

38. GEOLOGIC MARKERS



PHILLIPS PETROLEUM COMPANY

HOUSTON, TEXAS 77251-1967
BOX 1967

EXPLORATION AND PRODUCTION GROUP

BELLAIRE, TEXAS
6330 WEST LOOP SOUTH
PHILLIPS BUILDING

September 18, 1991

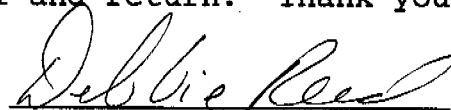
Utah Division of Oil, Gas & Mining
Attn: Vicki Carney
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Phillips, Ratherford #24-32 ^{pow} 43-037-31593
Sec. 24-T41S-R23E
San Juan County, Utah

Please find enclosed the following logs:

- 2 Compensated Neutron Formation Density ✓
- 1 Borehole Compensated Sonic Log ✓
- 1 Dual Induction - SFL w/Linear Correlation Log ✓
- 1 Repeat Formation Tester ✓
- 1 Mudlog ✓

Please sign one copy of this transmittal and return. Thank you.



Debbie Reed
Geological Clerk

Received By: UHC

Date: 9-25-91

RECEIVED

SEP 24 1991

DIVISION OF
OIL GAS & MINING

STATE OF UTAH
DIVISION OF OIL, GAS AND MININGPage 1 of 10

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

P J KONKEL
PHILLIPS PETROLEUM COMPANY
5525 HWY 64 NBU 3004
FARMINGTON NM 87401

RECEIVED

AUG 16 1993

ACCOUNT NUMBER: N0772

REPORT PERIOD (MONTH/YEAR):

6 / 93

DIVISION OF
OIL, GAS & MININGAMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
#21-23								
4303713754	06280	41S 24E 21	DSCR	POW	29	1374	883	58
#3-44								
4303715031	06280	41S 24E 3	DSCR	POW	30	111	94	2905
#3-14								
4303715124	06280	41S 24E 3	DSCR	POW	30	67	23	302
#9-12								
4303715126	06280	41S 24E 9	DSCR	POW	30	112	654	17363
#9-14								
4303715127	06280	41S 24E 9	DSCR	POW	30	201	315	423
#28-12								
4303715336	06280	41S 24E 28	PRDX	POW	29	112	47	2428
#29-12								
4303715337	06280	41S 24E 29	PRDX	POW	29	56	0	672
#29-32								
4303715339	06280	41S 24E 29	DSCR	POW	29	1402	287	2224
#29-34								
4303715340	06280	41S 24E 29	DSCR	POW	29	757	48	0
#30-32								
4303715342	06280	41S 24E 30	DSCR	POW	29	588	1049	3744
#3-12								
4303715620	06280	41S 24E 3	DSCR	POW	30	268	11	363
#9-34								
4303715711	06280	41S 24E 9	DSCR	POW	30	45	46	9800
#10-12								
4303715712	06280	41S 24E 10	DSCR	POW	30	45	23	1088
TOTALS						5138	3480	41370

COMMENTS:

Effective July 1, 1993, Phillips Petroleum Company has sold its interest in the

Ratherford Unit to Mobil Exploration and Producing U.S., Incorporated, P. O. Box

633, Midland, Texas 79702. Mobil assumed operations on July 1, 1993.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 8/11/93

Name and Signature: PAT KONKEL

Pat Konkell

Telephone Number: 505 599-3452

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

<p align="center">SUNDRY NOTICES AND REPORTS ON WELLS</p> <p align="center">(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</p>		<p>5. LEASE DESIGNATION & SERIAL NO.</p>	
<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p>		<p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>NAVAJO TRIBAL</p>	
<p>2. NAME OF OPERATOR</p> <p>MOBIL OIL CORPORATION</p>		<p>7. UNIT AGREEMENT NAME</p> <p>RATHERFORD UNIT</p>	
<p>3. ADDRESS OF OPERATOR</p> <p>P. O. BOX 633 MIDLAND, TX 79702</p>		<p>8. FARM OR LEASE NAME</p>	
<p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)</p> <p>At surface</p> <p>At proposed prod. zone</p>		<p>9. WELL NO.</p>	
<p>14. API NO.</p>		<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.)</p>	
<p>12. COUNTY</p> <p>SAN JUAN</p>		<p>13. STATE</p> <p>UTAH</p>	

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>CHANGE OF OPERATOR</u> <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION _____	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

AS OF JULY1, 1993, MOBIL OIL CORPORATION IS THE OPERATOR OF THE RATHERFORD UNIT.
ATTACHED ARE THE INDIVIDUAL WELLS.

18. I hereby certify that the foregoing is true and correct

SIGNED Shirley Dodd TITLE ENV. & REG TECHNICIAN DATE 9-8-93

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

See Instructions On Reverse Side

✓ 19W-21	43-037-15741	14-20-603-353	SEC. 19, T41S, R24E	NE/NW 660' FNL 1860' FWL
✓ 19-22	43-037-31046	14-20-603-353	SEC. 19, T41S, R24E	SE/NW 1840' FNL; 1980' FWL
✓ 19W-23	43-037-15742	14-20-603-353	SEC. 19, T41S, R24E	NE/SW 2080' FSL; 1860' FWL
✓ 19-31	43-037-31047	14-20-603-353	SEC. 19, T41S, R24E	NW/NE 510' FNL; 1980' FEL
✓ 19-32	43-037-15743	14-20-603-353	SEC. 19, T41S, R24E	SW/NE 1980' FNL; 1980' FEL
✓ 19-33	43-037-31048	14-20-603-353	SEC. 19, T41S, R24E	NW/SE 1980' FSL; 1980' FEL
✓ 19-34	43-037-15744	14-20-603-353	SEC. 19, T41S, R24E	SW/SE 660' FSL; 1980' FEL
✓ 19W-41	43-037-15745	14-20-603-353	SEC. 19, T41S, R24E	NE/NE 660' FNL; 660' FEL
✓ 19-42	43-037-30916	14-20-603-353	SEC. 19, T41S, R24E	SE/NE 1880' FNL, 660' FEL
✓ 19W-43	43-037-16420	14-20-603-353	SEC. 19, T41S, R24E	NE/SE 1980' FSL; 760' FEL
✓ 19-44	43-037-31081	14-20-603-353	SEC. 19, T41S, R24E	SE/SE 660' FSL; 660' FEL
✓ 19-97	43-037-31596	14-20-603-353	SEC. 19, T41S, R24E	2562' FNL, 30' FEL
✓ 20-11	43-037-31049	14-20-603-353	SEC. 20, T41S, R24E	NW/NW 500' FNL; 660' FWL
✓ 20-12	43-037-15746	14-20-603-353	SEC. 20, T41S, R24E	1980' FNL, 660' FWL
✓ 20-13	43-037-30917	14-20-603-353	SEC. 20, T41S, R24E	NW/SW 2140' FSL, 500' FWL
✓ 20-14	43-037-15747	14-20-603-353	SEC. 20, T41S, R24E	660' FSL; 660' FWL
✓ 20W-21	43-037-16423	14-20-603-353	SEC. 20, T41S, R24E	660' FNL; 1880' FWL
✓ 20-22	43-037-30930	14-20-603-353	SEC. 20, T41S, R24E	SE/NW 2020' FNL; 2090' FWL
✓ 20W-23	43-037-15748	14-20-603-353	SEC. 20, T41S, R24E	NW/SW 2080; 2120' FWL
✓ 20-24	43-037-30918	14-20-603-353	SEC. 20, T41S, R24E	SE/SW 820' FSL; 1820' FWL
✓ 20-31	43-037-31050	14-20-603-353	SEC. 20, T41S, R24E	NW/NE 660' FNL; 1880' FEL
✓ 20-32	43-037-15749	14-20-603-353	SEC. 20, T41S, R24E	SW/NE 1980' FNL, 1980' FEL
✓ 20-33	43-037-30931	14-20-603-353	SEC. 20, T41S, R24E	NW/SE 1910' FSL; 2140' FEL
✓ 20-34	43-037-15750	14-20-603-353	SEC. 20, T41S, R24E	660' FSL; 1850' FEL
✓ 20W-41	43-037-15751	14-20-603-353	SEC. 20, T41S, R24E	NE/NE 660' FNL; 660' FEL
✓ 20-42	43-037-31051	14-20-603-353	SEC. 20, T41S, R24E	SE/NE 1980' FNL; 660' FEL
✓ 20W-43	43-037-16424	14-20-603-353	SEC. 20, T41S, R24E	2070' FSL; 810' FEL
✓ 20-44	43-037-30915	14-20-603-353	SEC. 20, T41S, R24E	SE/SE 620' FSL; 760' FEL
✓ 20-66	43-037-31592	14-20-603-353	SEC. 20, T41S, R24E	SW/NW 1221' FWL; 1369' FNL
✓ 21-11	43-037-31052	14-20-603-355	SEC. 21, T41S, R24E	NW/NW 660' FNL; 660' FWL
✓ 21-12	43-037-15752	14-20-603-355	SEC. 21, T41S, R24E	2080' FNL; 660' FWL
✓ 21-13	43-037-30921	14-20-603-355	SEC. 21, T41S, R24E	NW/SW 2030' FSL; 515' FWL
✓ 21-14	43-037-15753	14-20-603-355	SEC. 21, T41S, R24E	SW/SW 660' FSL; 460' FWL
✓ 21W-21	43-037-16425	14-20-603-355	SEC. 21, T41S, R24E	NE/NW 660' FNL; 2030' FWL
✓ 21-32	43-037-15755	14-20-603-355	SEC. 21, T41S, R24E	SW/NE 1880' FNL; 1980' FEL
✓ 21-33	NA	14-20-603-355	SEC. 21, T41S, R24E	2000' FSL; 1860' FEL
✓ 21-34	43-037-15756	14-20-603-355	SEC. 21, T41S, R24E	SW/SE 660' FSL; 1980' FEL
✓ 21W-41	43-037-16426	14-20-603-355	SEC. 21, T41S, R24E	660' FNL; 810' FEL
✓ 21W-43	43-037-16427	14-20-603-355	SEC. 21, T41S, R24E	NE/NE 1980' FSL; 660' FEL
✓ 24-11	43-037-15861	14-20-603-247A	SEC. 24, T41S, R24E	510' FNL; 810' FWL
✓ 24W-21	43-037-16429	14-20-603-247	SEC. 24, T41S, R24E	4695' FSL; 3300' FEL
✓ 24W-43	43-037-16430	14-20-603-247	SEC. 24, T41S, R24E	2080' FSL; 660' FEL
✓ 24-31W	43-037-15862	14-20-603-247A	SEC. 24, T41S, R24E	NW/NE 560' FNL; 1830' FEL
* 24-32	43-037-31593	14-20-603-247A	SEC. 24, T41S, R24E	SW/NE 2121' FNL; 1846' FEL
✓ 24-41	43-037-31132	14-20-603-247A	SEC. 24, T41S, R24E	NE/NE 660' FNL; 710' FEL
✓ 24W-42	43-037-15863	14-20-603-247A	SEC. 24, T41S, R24E	660' FSL; 1980' FNL
✓ 28-11	43-037-30446	14-20-603-409	SEC. 28, T41S, R24E	NW/NW 520' FNL; 620' FWL
✓ 28-12	43-037-15336	14-20-603-409B	SEC. 28, T41S, R24E	SW/SE/NW 2121' FNL; 623' FWL
✓ 29-11	43-037-31053	14-20-603-407	SEC. 29, T41S, R24E	NW/NW 770' FNL; 585' FWL
✓ 29W-21	43-037-16432	14-20-603-407	SEC. 29, T41S, R24E	NE/NW 667' FNL; 2122' FWL
✓ 29-22	43-037-31082	14-20-603-407	SEC. 29, T41S, R24E	SE/NW 2130' FNL; 1370' FWL
✓ 29W-23	43-037-15338	14-20-603-407	SEC. 29, T41S, R24E	NE/SW 1846' FSL; 1832' FWL
✓ 29-31	43-037-30914	14-20-603-407	SEC. 29, T41S, R24E	NW/NE 700' FNL; 2140' FEL
✓ 29-32	43-037-15339	14-20-603-407	SEC. 29, T41S, R24E	1951' FNL; 1755' FEL
✓ 29-33	43-037-30932	14-20-603-407	SEC. 29, T41S, R24E	NW/SE 1860' FSL; 1820' FEL
✓ 29-34	43-037-15340	14-20-603-407	SEC. 29, T41S, R24E	817 FSL; 2096' FEL
✓ 29W-41	43-037-16433	14-20-603-407	SEC. 29, T41S, R24E	557' FNL; 591' FEL
✓ 29W-42	43-037-30937	14-20-603-407	SEC. 29, T41S, R24E	SE/NE 1850' FNL; 660' FEL
✓ 29W-43	43-037-16434	14-20-603-407	SEC. 29, T41S, R24E	NE/SE 1980' FSL; 660' FEL
✓ 30-21W	43-037-16435	14-20-603-407	SEC. 30, T41S, R24E	660' FNL; 1920' FWL
✓ 30-32	43-037-15342	14-20-603-407	SEC. 30, T41S, R24E	SW/NE 1975' FNL; 2010' FEL
✓ 30W-41	43-037-15343	14-20-603-407	SEC. 30, T41S, R24E	NE/NE 660' FNL; 660' FEL
✓ 30-34	NA 4302715711	NA 14206034043	NA SEC. 30, T41S, R24E	NA SW/SE 660' FSL 1980' FEL
✓ 42-43	43-307-31202	14-20-603-246	SEC. 12, T41S, R23E	2100' FSL; 660' FEL
✓ 42W31	43-037-15847	14-20-603-246	SEC. 12, T41S, R23E	661' FNL; 1981' FEL
✓ 43W24	43-037-15853	14-20-603-247	SEC. 13, T41S, R23E	SE/SW 660' FSL; 3300' FEL
✓ 45W23	43-037-16412	14-20-603-355	SEC. 15, T41S, R24E	2140' FSL; 1820' FWL
✓ 47-24	43-037-31044	14-20-603-353	SEC. 17, T41S, R24E	SE/SW 720' FSL; 1980' FWL
✓ 48-13	43-037-15734	14-20-603-353	SEC. 18, T41S, R24E	NW/NW 1980' FSL; 500' FWL
✓ 48W32	43-037-15736	14-20-603-353	SEC. 18, T41S, R24E	SW/NE 2140' FNL; 1830' FEL
✓ 20-68	43-037-31591	14-20-603-353	SEC. 20, T41S, R24E	NW/SW 1276' FWL; 1615' FSL
✓ 21-23	43-037-13754	14-20-603-355	SEC. 21, T41S, R24E	NE/SW 1740' FSL 1740' FWL
✓ 28W21	43-037-16431	14-20-603-409	SEC. 29, T41S, R24E	660' FNL; 2022' FWL

PAID

PAID

PAID

PAID

MONTHLY OIL AND GAS DISPOSITION REPORT

OPERATOR NAME AND ADDRESS:

L B Sheffield

BRIAN BERRY

~~M E P N A~~ MOBIL

POB 219031 1807A RENTWY P.O. DRAWER 6

DALLAS TX 75221-9031 CORTEZ, CO. 81321

UTAH ACCOUNT NUMBER: N7370REPORT PERIOD (MONTH/YEAR): 7 / 93AMENDED REPORT ☐ (Highlight Changes)*X931006 updated.
jic*

ENTITY NUMBER	PRODUCT	GRAVITY	BEGINNING INVENTORY	VOLUME PRODUCED	DISPOSITIONS				ENDING INVENTORY
		BTU			TRANSPORTED	USED ON SITE	FLARED/VENTED	OTHER	
05980	OIL			177609	177609	0			
	GAS			72101	66216	5885			
11174	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
TOTALS				249710	243825	5885			

RECEIVED

SEP 13 1993

DIVISION OF
OIL, GAS & MINING

COMMENTS:

*PLEASE NOTE ADDRESS change. Mobil ~~also~~ production Reports
will be compiled and sent from the Cortez, Co. office
IN THE FUTURE.*

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 9/5/93

Name and Signature:

L B Sheffield

Telephone Number:

303 565 2212
244 658 2528

Sept 29, 1993

TO: Lisha Cordova - Utah Mining
Oil & Gas

FROM: Janice Easley
BLM Farmington, NM
505 599-6355

Here is copy of Rutherford Unit
Successor Operator,

4 pages including this one.

File Ratherford Unit (GC)

RECEIVED
BLM

SEP 27 AM 11:44

Navajo Area Office
P. O. Box 1060
Gallup, New Mexico 87305-1060

070 FARMINGTON, NM

ARES/543

JUL 26 1993

Mr. G. D. Cox
Mobil Exploration and
Producing North America, Inc.
P. O. Box 633
Midland, Texas 79702

MINERALS DEPARTMENT
NO. 1592
DATE 7/26/93
BY 3
FILED 2
ALL COPY
FILED

Dear Mr. Cox:

Enclosed for your information and use is the approved Designation of Operator between the Phillips Petroleum Company and Mobil Exploration and Producing North America, Inc. for the Ratherford Unit.

Please note that all other concerned parties will be furnished their copy of the approved document.

Sincerely,

[Handwritten Signature]

ACTING Area Director

Enclosure

cc: Bureau of Land Management, Farmington District Office w/enc.
TNN, Director, Minerals Department w/enc.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF INDIAN AFFAIRS

DESIGNATION OF OPERATOR

RECEIVED
BLM

Phillips Petroleum Company is, on the records of the Bureau of Indian Affairs, operator of the Ratherford Unit,

AREA OFFICE: Window Rock, Arizona
LEASE NO: Attached hereto as Exhibit "A"

070 FARMINGTON, NM

and, pursuant to the terms of the Ratherford Unit Agreement, is resigning as Unit Operator effective July 1, 1993, and hereby designates

NAME: Mobil Exploration and Producing North America Inc., duly elected pursuant to the terms of the Ratherford Unit Agreement,

ADDRESS: P. O. Box 633, Midland, Texas 79702
Attn: G. D. Cox

as Operator and local agent, with full authority to act on behalf of the Ratherford Unit lessees in complying with the terms of all leases and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160 and 25 CFR 211 and 212) with respect to (described acreage to which this designation is applicable):

Attached hereto as Exhibit "A"

Bond coverage under 25 CFR 211, 212 or 225 for lease activities conducted by the above named designated operator is under Bond Number 05202782 (attach copy). Evidence of bonding is required prior to the commencement of operations.

It is understood that this designation of operator does not relieve any lessee of responsibility for compliance with the terms of the leases and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the leases.

In case of default on the part of the designated operator, the lessees will make full and prompt compliance with all regulations, lease terms, stipulations, or orders of the Secretary of the Interior or his representative.

Attached is the appropriate documentation relevant to this document.

The designated operator agrees to promptly notify the authorized officer of any change in the operatorship of said Ratherford Unit.

Phillips Petroleum Company

June 17, 1993

By: M. B. [Signature]
Attorney-in-Fact

Mobil Exploration and Producing
North America Inc.

June 11, 1993

By: B. D. Martiny
Attorney-in-Fact B.D. MARTINY

[Signature]
APPROVED BY

ACTING AREA DIRECTOR

TITLE

DATE

APPROVED PURSUANT, TO SECRETARIAL REDELEGATION ORDER 209 DM 8 AND 230 DM 3.

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and therefore does not require OMB approval.

EXHIBIT "A"

ATTACHED TO AND MADE A PART OF DESIGNATION OF SUCCESSOR OPERATOR, RATHERFORD UNIT

EXHIBIT "C"

Revised as of September 29, 1992
SCHEDULE OF TRACT PERCENTAGE PARTICIPATION

<u>Tract Number</u>	<u>Description of Land</u>	<u>Serial Number and Effective Date of Lease</u>	<u>Tract Percentage Participation</u>
1	S/2 Sec. 1, E/2 SE/4 Sec. 2, E/4 Sec. 11, and all of Sec. 12, T-41-S, R-23-E, S.L.M., San Juan County, Utah	14-20-603-246-A Oct. 5, 1953	11.0652565
2	SE/4 and W/2 SW/4 Sec. 5, the irregular SW/4 Sec. 6, and all of Sec. 7 and 8, T-41-S, R-24-E, San Juan County, Utah	14-20-603-368 Oct. 26, 1953	14.4159942
3	SW/4 of Sec. 4, T-41-S, R-24-E, San Juan County, Utah	14-20-603-5446 Sept. 1, 1959	.5763826
4	SE/4 Sec. 4, and NE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah	14-20-603-4035 March 3, 1958	1.2587779
5	SW/4 of Sec. 3, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5445 Sept. 3, 1959	.4667669
6	NW/4 of Sec. 9, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5045 Feb. 4, 1959	1.0187043
7	NW/4, W/2 NE/4, and SW/4 Sec. 10, SE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah	14-20-603-4043 Feb. 18, 1958	3.5097575
8	SW/4 Sec. 9, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5046 Feb. 4, 1959	1.1141679
9	SE/4 Sec. 10 and S/2 SW/4 Sec. 11 T-41-S, R-24-E, San Juan County, Utah	14-20-603-4037 Feb. 14, 1958	2.6186804
10	All of Sec. 13, E/2 Sec. 14, and E/2 SE/4 and N/2 Sec. 24, T-41-S, R-23-E, S.L.M., San Juan County, Utah	14-20-603-247-A Oct. 5, 1953	10.3108861
11	Sections 17, 18, 19 and 20, T-41-S, R-24-E, San Juan County Utah	14-20-603-353 Oct. 27, 1953	27.3389265
12	Sections 15, 16, 21, and NW/4, and W/2 SW/4 Sec. 22, T-41-S, R-24-E, San Juan County, Utah	14-20-603-355 Oct. 27, 1953	14.2819339
13	W/2 Section 14, T-41-S, R-24-E, San Juan County, Utah	14-20-603-370 Oct. 26, 1953	1.8500847
14	N/2 and SE/4, and E/2 SW/4 Sec. 29, NE/4 and E/2 SE/4 and E/2 W/2 irregular Sec. 30, and E/2 NE/4 Sec. 32, T-41-S, R-24-E, San Juan County, Utah	14-20-603-407 Dec. 10, 1953	6.9924969
15	NW/4 Sec. 28, T-41-S, R24-E San Juan County, Utah	14-20-603-409 Dec. 10, 1953	.9416393
16	SE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6504 July 11, 1961	.5750254
17	NE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6505 July 11, 1961	.5449292
18	NW/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6506 July 11, 1961	.5482788
19	NE/4 Sec. 4, T-41-S, R24-E San Juan County, Utah	14-20-0603-7171 June 11, 1962	.4720628
20	E/2 NW/4 Sec. 4, T-41-S, R-24-E San Juan County, Utah	14-20-0603-7172 June 11, 1962	.0992482

100% Indian Lands

TOTAL 12,909.74

100.0000000

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ Well File _____☐ Suspense
(Return Date) _____
(To - Initials) _____☒ Other
OPERATOR CHANGE(Location) Sec _____ Twp _____ Rng _____
(API No.) __________
_____1. Date of Phone Call: 10-6-93 : Time: 9:302. DOGM Employee (name) L. CORDOVA (Initiated Call ☒
Talked to:Name GLEN COX (Initiated Call ☐ - Phone No. (915)688-2114
of (Company/Organization) MOBIL3. Topic of Conversation: OPERATOR CHANGE FROM PHILLIPS TO MOBIL "RATHERFORD UNIT".
(NEED TO CONFIRM HOW OPERATOR WANTS THE WELLS SET UP - MEPNA AS PER BIA APPROVAL
OR MOBIL OIL CORPORATION AS PER SUNDRY DATED 9-8-93?)

4. Highlights of Conversation: _____

MR. COX CONFIRMED THAT THE WELLS SHOULD BE SET UNDER ACCOUNT N7370/MEPNA AS
PER BIA APPROVAL, ALSO CONFIRMED THAT PRODUCTION & DISPOSITION REPORTS WILL NOW
BE HANDLED OUT OF THEIR CORTEZ OFFICE RATHER THAN DALLAS.MEPNA-PO DRAWER GCORTEZ, CO 81321(303)565-2212*ADDRESS CHANGE AFFECTS ALL WELLS CURRENTLY OPERATED BY MEPNA, CURRENTLY
REPORTED OUT OF DALLAS (MCCELMO CREEK).

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1	REC-17-93
2	DEPT-58-93
3	VLC
4	RJEV
5	DEPT
6	RL

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 7-1-93)

TO (new operator) <u>M E P N A</u>	FROM (former operator) <u>PHILLIPS PETROLEUM COMPANY</u>
(address) <u>PO DRAWER G</u>	(address) <u>5525 HWY 64 NBU 3004</u>
<u>CORTEZ, CO 81321</u>	<u>FARMINGTON, NM 87401</u>
<u>GLEN COX (915)688-2114</u>	<u>PAT KONKEL</u>
phone <u>(303) 565-2212</u>	phone <u>(505) 599-3452</u>
account no. <u>N7370</u>	account no. <u>N0772(A)</u>

Well(s) (attach additional page if needed):

***RATHERFORD UNIT (NAVAJO)**

Name: <u>**SEE ATTACHED**</u>	API: <u>43037.31593</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Sec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Reg. 8-20-93) (6/93 Prod. Rpt. 8-16-93)
- Sec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Reg. 8-31-93) (Rec'd 9-14-93)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____
- Sec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (O&G wells 10-6-93) (Wiw's 10-26-93)
- Sec 6. Cardex file has been updated for each well listed above. (O&G wells 10-6-93) (Wiw's 10-26-93)
- Sec 7. Well file labels have been updated for each well listed above. (O&G wells 10-6-93) (Wiw's 10-26-93)
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (10-6-93)
- Sec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A 2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

1. All attachments to this form have been microfilmed. Date: 11-17 1993.

FILING

- Yes 1. Copies of all attachments to this form have been filed in each well file.
- Yes 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

931006 BIA/Btm Approved 7-9-93.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 22 of 22

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O MOBIL OIL CORP
 M E P N A
 PO DRAWER G
 CORTEZ CO 81321

UTAH ACCOUNT NUMBER: N7370REPORT PERIOD (MONTH/YEAR): 6 / 95AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
RATHERFORD 20-67								
4303731590	06280 41S 24E 20		DSCR					
RATHERFORD 20-68								
4303731591	06280 41S 24E 20		DSCR					
RATHERFORD 20-66								
4303731592	06280 41S 24E 20		DSCR					
RATHERFORD 24-32								
4303731593	06280 41S 23E 24		DSCR					
RATHERFORD 19-97								
4303731596	06280 41S 24E 19		DSCR					
RATHERFORD 11-43								
4303731622	06280 41S 23E 11		DSCR					
RATHERFORD 14-41								
4303731623	06280 41S 23E 14		DSCR					
RATHERFORD UNIT 14-31								
4303731717	06280 41S 23E 14		DSCR					
RATHERFORD UNIT 19-13								
4303731719	06280 41S 24E 19		DSCR					
RATHERFORD UNIT 21-24								
4303731720	06280 41S 24E 21		DSCR					
TOTALS								

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ Well File _____

☐ Suspense

☒ Other

(Return Date) _____

OPER NM CHG () _____

(Location) Sec _____ Twp _____ Rng _____

(To - Initials) _____

(API No.) _____

1. Date of Phone Call: 8-3-95 Time: _____

2. DOGM Employee (name) L. CORDOVA (Initiated Call ☐)
Talked to:

Name R. J. FIRTH (Initiated Call ☒) - Phone No. () _____

of (Company/Organization) _____

3. Topic of Conversation: M E P N A / N7370

4. Highlights of Conversation: _____

OPERATOR NAME IS BEING CHANGED FROM M E P N A (MOBIL EXPLORATION AND PRODUCING
NORTH AMERICA INC) TO MOBIL EXPLOR & PROD. THE NAME CHANGE IS BEING DONE AT
THIS TIME TO ALLEVIATE CONFUSION, BOTH IN HOUSE AND AMONGST THE GENERAL PUBLIC.

*SUPERIOR OIL COMPANY MERGED INTO M E P N A 4-24-86 (SEE ATTACHED).

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

☐ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☒ Operator Name Change Only

1-LEC	7-PL
2-LWP	8-SJ
3-DEC	9-FILE
4-VLC	
5-RJF	
6-LWP	

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-2-95)

TO (new operator) MOBIL EXPLOR & PROD
 (address) C/O MOBIL OIL CORP
PO DRAWER G
CORTEZ CO 81321
 phone (303) 564-5212
 account no. N7370

FROM (former operator) M E P N A
 (address) C/O MOBIL OIL CORP
PO DRAWER G
CORTEZ CO 81321
 phone (303) 564-5212
 account no. N7370

Well(s) (attach additional page if needed):

Name: ** SEE ATTACHED **	API: <u>037-31593</u>	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____.
- N/A 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Lee 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (8-3-95)
- LWP 6. Cardex file has been updated for each well listed above. 8-21-95
- LWP 7. Well file labels have been updated for each well listed above. 9-28-95
- Lee 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (8-3-95)
- Lee 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes* 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/*no*) (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A* 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) ** No Fee Lease Wells at this time!*

- N/A* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- ___ 2. A copy of this form has been placed in the new and former operators' bond files.
- ___ 3. The former operator has requested a release of liability from their bond (yes/no) ___. Today's date _____ 19___. If yes, division response was made by letter dated _____ 19__.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19__, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- UTS 8/5/95*
- N/A* 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- ✓* 1. All attachments to this form have been microfilmed. Date: October 6 1995.

FILING

- ___ 1. Copies of all attachments to this form have been filed in each well file.
- ___ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

950803 UIC F5/Not necessary!

June 27, 2001

ExxonMobil
Production

Mr. Jim Thompson
State of Utah, Division of Oil, Gas and Mining
1549 West North Temple
Suite 1210
Salt Lake City, UT 84114-5801

Change of Name – Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Mr. Thompson

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

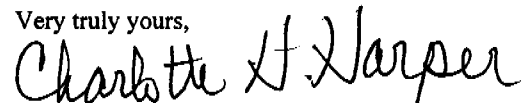
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

A copy of the Certification, Bond Rider and a list of wells are attached.

If you have any questions please feel free to call Joel Talavera at 713-431-1010

Very truly yours,



Charlotte H. Harper
Permitting Supervisor

ExxonMobil Production Company
a division of Exxon Mobil Corporation,
acting for ExxonMobil Oil Corporation

RECEIVED

JUN 29 2001

DIVISION OF
OIL, GAS AND MINING



IN REPLY REFER TO:

United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

XXXXXXXXXXXXXXXXXXXX

Navajo Area Office

NAVAJO REGION

P.O. Box 1060

Gallup, New Mexico 87305-1060

AUG 30 2001

RRES/543

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Charlotte H. Harper, Permitting Supervisor
Exxon Mobil Production Company
U. S. West
P. O. Box 4358
Houston, TX 77210-4358

Dear Ms. Harper:

This is to acknowledge receipt of your company's name change from Mobil Oil Corporation to ExxonMobil Oil Corporation effective June 1, 2001. The receipt of documents includes the Name Change Certification, current listing of Officers and Directors, Listing of Leases, Financial Statement, filing fees of \$75.00 and a copy of the Rider for Bond Number 8027 31 97. There are no other changes.

Please note that we will provide copies of these documents to other concerned parties. If you need further assistance, you may contact Ms. Bertha Spencer, Realty Specialist, at (928) 871-5938.

Sincerely,

DENNETT DENETSONE

Regional Realty Officer

cc: BLM, Farmington Field Office w/enclosures ✓
Navajo Nation Minerals Office, Attn: Mr. Akhtar Zaman, Director/w enclosures

MINERAL RESOURCES	
ADM 1	<i>D/MC</i>
NATV AM MIN COORD _____	
SOLID MIN TEAM _____	
PETRO MIN TEAM <i>2</i> _____	
O & G INSPECT TEAM _____	
ALL TEAM LEADERS _____	
LAND RESOURCES _____	
ENVIRONMENT _____	
FILES _____	

ExxonMobil Production Company
U.S. West
P.O. Box 4358
Houston, Texas 77210-4358

PS 7/12/001

SH

543

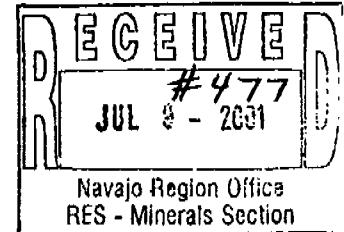
File

June 27, 2001

ExxonMobil
Production

Certified Mail
Return Receipt Requested

Ms. Genni Denetsone
United States Department of the Interior
Bureau of Indian Affairs, Navajo Region
Real Estate Services
P. O. Box 1060
Gallup, New Mexico 87305-1060
Mail Code 543



Change of Name -
Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Ms. Denetsone:

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

Attached is the Name Change Certification, Current listing of Officers and Directors, Filing Fee of \$75/-, Listing of Leases, Financial Statement and a copy of the Rider for Bond number 8027 31 97. The original Bond Rider has been sent to Ms. Barbar Davis at your Washington Office.

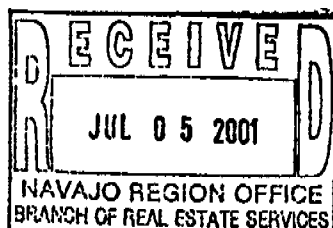
If you have any questions, please contact Alex Correa at (713) 431-1012.

Very truly yours,

Charlotte H. Harper

Charlotte H. Harper
Permitting Supervisor

Attachments



ExxonMobil Production Company
a division of Exxon Mobil Corporation,
acting for ExxonMobil Oil Corporation

NOTE: Check forwarded to Ella Isaac

Bureau of Indian Affairs
Navajo Region Office
Attn: RRES - Mineral and Mining Section
P.O. Box 1060
Gallup, New Mexico 87305-1060

Gentlemen:

The current listing of officers and director of ExxonMobil Oil Corporation (Name of Corporation), of New York (State) is as follows:

OFFICERS

President	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Vice President	<u>K.T. Koonce</u>	Address <u>800 Bell Street Houston, TX 77002</u>
Secretary	<u>F.L. Reid</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Treasure	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>

DIRECTORS

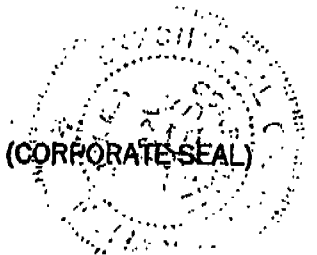
Name	<u>D.D. Humphreys</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>P.A. Hanson</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>T.P. Townsend</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>

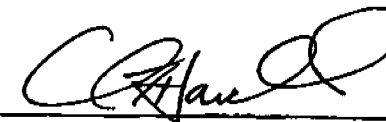
Sincerely,



Alex Correa

This is to certify that the above information pertaining to ExxonMobil Oil Corporation (Corporation) is true and correct as evidenced by the records and accounts covering business for the State of Utah and in the custody of Corporation Service Company (Agent), Phone: 1 (800) 927-9800, whose business address is One Utah Center, 201 South Main Street, Salt Lake City, Utah 84111-2218




Signature
AGENT AND ATTORNEY IN FACT
Title

SAL

CERTIFICATION

I, the undersigned Assistant Secretary of ExxonMobil Oil Corporation. (formerly Mobil Oil Corporation), a corporation organized and existing under the laws of the State of New York, United States of America, DO HEREBY CERTIFY, That, the following is a true and exact copy of the resolutions adopted by the Board of Directors on May 22, 2001:

CHANGE OF COMPANY NAME

WHEREAS, the undersigned Directors of the Corporation deem it to be in the best interest of the Corporation to amend the Certificate of Incorporation of the Corporation to change the name and principal office of the Corporation:

NOW THEREFORE BE IT RESOLVED, That Article 1st relating to the corporate name is hereby amended to read as follows:

"1st The corporate name of said Company shall be,

ExxonMobil Oil Corporation",

FURTHER RESOLVED, That the amendment of the Corporation's Certificate of Incorporation referred to in the preceding resolutions be submitted to the sole shareholder of the Corporation entitled to vote thereon for its approval and, if such shareholder gives its written consent, pursuant to Section 803 of the Business Corporation Law of the State of New York, approving such amendment, the proper officers of the Corporation be, and they hereby are, authorized to execute in the name of the Corporation the Certificate of Amendment of Certificate of Incorporation, in the form attached hereto;


FURTHER RESOLVED, That the proper officers of the Corporation be and they hereby are authorized and directed to deliver, file and record in its behalf, the Certificate of Amendment of Certificate of Incorporation, and to take such action as may be deemed necessary or advisable to confirm and make effective in all respects the change of this Company's name to EXXONMOBIL OIL CORPORATION.

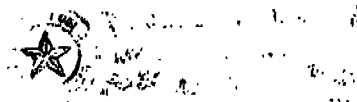
WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.


Assistant Secretary

COUNTY OF DALLAS)
STATE OF TEXAS)
UNITED STATES OF AMERICA)

Sworn to and subscribed before me at Irving, Texas, U. S. A. on this the 8th day of June, 2001.


Notary Public



LISTING OF LEASES OF MOBIL OIL CORPORATION**Lease Number**

- 1) 14-20-0603-6504
- 2) 14-20-0603-6505
- 3) 14-20-0603-6506
- 4) 14-20-0603-6508
- 5) 14-20-0603-6509
- 6) 14-20-0603-6510
- 7) 14-20-0603-7171
- 8) 14-20-0603-7172A
- 9) 14-20-600-3530
- 10) 14-20-603-359
- 11) 14-20-603-368
- 12) 14-20-603-370
- 13) 14-20-603-370A
- 14) 14-20-603-372
- 15) 14-20-603-372A
- 16) 14-20-603-4495
- 17) 14-20-603-5447
- 18) 14-20-603-5448
- 19) 14-20-603-5449
- 20) 14-20-603-5450
- 21) 14-20-603-5451

6/1/01

CHUBB GROUP OF INSURANCE COMPANIES

100 West Loop South, Suite 1400, Houston, Texas 77027-3501
Houston, TX 77027-4600 • Fax (713) 297-4760

NW Bond

FEDERAL INSURANCE COMPANY RIDER
to be attached to and form a part of

BOND NO 8027 31 97

wherein

Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc. is
named as Principal and

FEDERAL INSURANCE COMPANY AS SURETY,

in favor of United States of America, Department of the Interior
Bureau of Indian Affairs

in the amount of \$150,000.00

bond date: 11/01/65

IT IS HEREBY UNDERSTOOD AND AGREED THAT effective June 1, 2001
the name of the Principal is changed

FROM: Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc.

TO : ExxonMobil Oil Corporation

All other terms and conditions of this Bond are unchanged.

Signed, sealed and dated this 12th of June, 2001.

ExxonMobil Oil Corporation

By :



FEDERAL INSURANCE COMPANY

By:

Mary Pierson
Mary Pierson, Attorney-in-fact

**Chubb
Surety****POWER
OF
ATTORNEY****Federal Insurance Company
Vigilant Insurance Company
Pacific Indemnity Company****Attn.: Surety Department
15 Mountain View Road
Warren, NJ 07059**

Know All by These Presents, That **FEDERAL INSURANCE COMPANY**, an Indiana corporation, **VIGILANT INSURANCE COMPANY**, a New York corporation, and **PACIFIC INDEMNITY COMPANY**, a Wisconsin corporation, do each hereby constitute and appoint **R.F. Bobo, Mary Pierson, Philana Berros, and Jody E. Specht of Houston, Texas-----**

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said **FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY** have each executed and attested these presents and affixed their corporate seals on this 10th day of May, 2001.


Kenneth C. Wendel, Assistant Secretary


Frank E. Robertson, Vice President

STATE OF NEW JERSEY } ss.
County of Somerset

On this 10th day of May, 2001, before me, a Notary Public of New Jersey, personally came Kenneth C. Wendel, to me known to be Assistant Secretary of **FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY**, the companies which executed the foregoing Power of Attorney, and the said Kenneth C. Wendel being by me duly sworn, did depose and say that he is Assistant Secretary of **FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY** and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By-Laws of said Companies; and that he signed said Power of Attorney as Assistant Secretary of said Companies by like authority; and that he is acquainted with Frank E. Robertson, and knows him to be Vice President of said Companies; and that the signature of Frank E. Robertson, subscribed to said Power of Attorney is in the genuine handwriting of Frank E. Robertson, and was thereto subscribed by authority of said Companies in the presence of the Notary Public.



Notary Public State of New Jersey
No. 2231647

Commission Expires Oct. 28, 2004


Notary Public

Extract from the By-Laws of **FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY**:

"All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys-In-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, Kenneth C. Wendel, Assistant Secretary of **FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY** (the "Companies") do hereby certify that

- (i) the foregoing extract of the By-Laws of the Companies is true and correct,
- (ii) the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U. S. Treasury Department; further, Federal and Vigilant are licensed in Puerto Rico and the U. S. Virgin Islands, and Federal is licensed in American Samoa, Guam, and each of the Provinces of Canada except Prince Edward Island; and
- (iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this 12th day of June, 2001




Kenneth C. Wendel, Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY
Telephone (908) 903-3485 Fax (908) 903-3656 e-mail: surety@chubb.com

CSC

5184334741

06/01 '01 08:46 NO.410 03/05

CSC

06/01 '01 09:06 NO.135 02/04

F010601000187

CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION
OF
MOBIL OIL CORPORATION

CSC 45

(Under Section 805 of the Business Corporation Law)

Pursuant to the provisions of Section 805 of the Business Corporation Law, the undersigned President and Secretary, respectively, of Mobil Oil Corporation hereby certify:

FIRST: That the name of the corporation is MOBIL OIL CORPORATION and that said corporation was incorporated under the name of Standard Oil Company of New York.

SECOND: That the Certificate of Incorporation of the corporation was filed by the Department of State, Albany, New York, on the 10th day of August, 1882.

THIRD: That the amendments to the Certificate of Incorporation effected by this Certificate are as follows:

(a) Article 1st of the Certificate of Incorporation, relating to the corporate name, is hereby amended to read as follows:

"1st The corporate name of said Company shall be,
ExxonMobil Oil Corporation",

(b) Article 7th of the Certificate of Incorporation, relating to the office of the corporation is hereby amended to read as follows:

The office of the corporation within the State of New York is to be located in the County of Albany. The Company shall have offices at such other places as the Board of Directors may from time to time determine.

CSC
CSC

5184334741

06/01 '01 08:47 NO.410 04/05
06/01 '01 09:06 NO.133 03/04

FOURTH: That the amendments to the Certificate of Incorporation were authorized by the Board of Directors followed by the holder of all outstanding shares entitled to vote on amendments to the Certificate of Incorporation by written consent of the sole shareholder dated May 22, 2001.

IN WITNESS WHEREOF, this Certificate has been signed this 22nd Day of May, 2001.


F. A. Risch, President

STATE OF TEXAS)
COUNTY OF DALLAS)

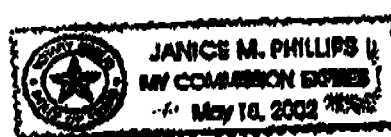
F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.


F. L. REID, Secretary

SUBSCRIBED AND SWORN TO before me, the undersigned authority, on this the 22nd day of May, 2001.

[SEAL]


NOTARY PUBLIC, STATE OF TEXAS



=> CSC

.TEL=5184334741

06/01'01 08:19

CSC
CSC

5184334741

06/01 '01 09:01 NO.411 02/02
06/01 '01 09:06 NO.133 04/04
F010601000187**CSC 45****CERTIFICATE OF AMENDMENT****OF****MOBIL OIL CORPORATION**

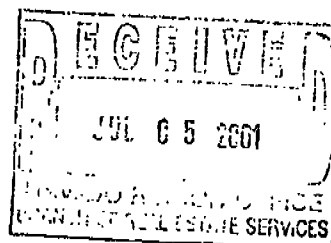
Under Section 805 of the Business Corporation Law

**STATE OF NEW YORK
DEPARTMENT OF STATE**Filed by: EXXONMOBIL CORPORATION
(Name)

FILED JUN 01 2001

5959 Las Colinas Blvd.
(Mailing address)

TAX \$

BY: *SAC*Irving, TX 75039-2298
(City, State and Zip code)*ny Albany**Cust Ref # 165578 MPJ***010601000195**

=> CSC

TEL=5184334741

06/01 '01 08:19

State of New York }
Department of State } ss:

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on **JUN 01 2001**



Special Deputy Secretary of State

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW ✓
3. FILE

Change of Operator (Well Sold)

Designation of Agent

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **06-01-2001**

FROM: (Old Operator):	TO: (New Operator):
MOBIL EXPLORATION & PRODUCTION	EXXONMOBIL OIL CORPORATION
Address: P O BOX DRAWER "G"	Address: U S WEST P O BOX 4358
CORTEZ, CO 81321	HOUSTON, TX 77210-4358
Phone: 1-(970)-564-5212	Phone: 1-(713)-431-1010
Account No. N7370	Account No. N1855

CA No.

Unit: **RATHERFORD**

WELL(S)

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
RATHERFORD UNIT 14-41	14-41S-23E	43-037-31623	6280	INDIAN	OW	P
RATHERFORD UNIT 24-41	24-41S-23E	43-037-31132	6280	INDIAN	OW	P
RATHERFORD UNIT 24-32	24-41S-23E	43-037-31593	6280	INDIAN	OW	S
3-12	03-41S-24E	43-037-15620	6280	INDIAN	OW	P
4-14	04-41S-24E	43-037-16163	6280	INDIAN	OW	P
4-34	04-41S-24E	43-037-16164	6280	INDIAN	OW	P
5-34	05-41S-24E	43-037-15983	6280	INDIAN	OW	P
RATHERFORD UNIT 7-11	07-41S-24E	43-037-31163	6280	INDIAN	OW	P
RATHERFORD UNIT 7-13	07-41S-24E	43-037-31164	6280	INDIAN	OW	P
RATHERFORD UNIT 7-22	07-41S-24E	43-037-31165	6280	INDIAN	OW	P
RATHERFORD UNIT 7-24	07-41S-24E	43-037-31166	6280	INDIAN	OW	S
RATHERFORD UNIT 7-44	07-41S-24E	43-037-31189	6280	INDIAN	OW	S
8-12	08-41S-24E	43-037-15991	6280	INDIAN	OW	P
8-21	08-41S-24E	43-037-15993	6280	INDIAN	OW	S
8-23	08-41S-24E	43-037-15994	6280	INDIAN	OW	P
8-32	08-41S-24E	43-037-15995	6280	INDIAN	OW	P
8-34	08-41S-24E	43-037-15996	6280	INDIAN	OW	P
8-41	08-41S-24E	43-037-15997	6280	INDIAN	OW	S
9-12	09-41S-24E	43-037-15126	6280	INDIAN	OW	P
9-14	09-41S-24E	43-037-15127	6280	INDIAN	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/29/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/29/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 04/09/2002
4. Is the new operator registered in the State of Utah: YES Business Number: 579865-0143
5. If **NO**, the operator was contacted on: N/A

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BIA-06/01/01

7. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 06/01/2001

8. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 04/15/2002
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 04/15/2002
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: N/A

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: N/A

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 80273197

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ
 2. CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: 6/1/2006	
FROM: (Old Operator): N1855-ExxonMobil Oil Corporation PO Box 4358 Houston, TX 77210-4358 Phone: 1 (281) 654-1936	TO: (New Operator): N2700-Resolute Natural Resources Company 1675 Broadway, Suite 1950 Denver, CO 80202 Phone: 1 (303) 534-4600
CA No.	Unit: RATHERFORD

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/21/2006
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/24/2006
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/7/2006
4. Is the new operator registered in the State of Utah: YES Business Number: 5733505-0143
5. If **NO**, the operator was contacted on: _____
- 6a. (R649-9-2) Waste Management Plan has been received on: requested
- 6b. Inspections of LA PA state/fee well sites complete on: n/a
- 6c. Reports current for Production/Disposition & Sundries on: ok
7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA not yet
8. **Federal and Indian Units:**
 The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
9. **Federal and Indian Communization Agreements ("CA"):**
 The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/12/2006

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 6/22/2006
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/22/2006
3. Bond information entered in RBDMS on: n/a
4. Fee/State wells attached to bond in RBDMS on: n/a
5. Injection Projects to new operator in RBDMS on: 6/22/2006
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: n/a
2. Indian well(s) covered by Bond Number: PA002769
3. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a
- a. The **FORMER** operator has requested a release of liability from their bond on: n/a
 The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

See attached list

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Navajo Tribe

7. UNIT or CA AGREEMENT NAME:

Ratherford Unit

8. WELL NAME and NUMBER:

See attached list

9. API NUMBER:

Attached

10. FIELD AND POOL, OR WILDCAT:

Greater Aneth

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☐

OTHER Unit Agreement

2. NAME OF OPERATOR:

Resolute Natural Resources Company

N2700

3. ADDRESS OF OPERATOR:

1675 Broadway, Suite 1950

CITY

Denver

STATE

CO

ZIP

80202

PHONE NUMBER:

(303) 534-4600

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See attached list

COUNTY: San Juan

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will start:

☒ SUBSEQUENT REPORT
(Submit Original Form Only)

Date of work completion:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☒ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER: _____

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 1, 2006 Exxon Mobil Oil Corporation resigns as operator of the Ratherford Unit. Also effective June 1, 2006 Resolute Natural Resources Company is designated as successor operator of the Ratherford Unit.

A list of affected producing and water source wells is attached. A separate of affected injection wells is being submitted with UIC Form 5, Transfer of Authority to Inject.

As of the effective date, bond coverage for the affected wells will transfer to BIA Bond # PA002769.

NAME (PLEASE PRINT)

Dwight E Mallory

TITLE

Regulatory Coordinator

SIGNATURE

DATE

4/20/2006

(This space for State use only)

APPROVED

6127106

Earlene Russell

Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED

APR 24 2006

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: Ship Rock
2. NAME OF OPERATOR: ExxonMobil Oil Corporation <i>N1855</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ship Rock
3. ADDRESS OF OPERATOR: P.O. Box 4358 CITY Houston STATE TX ZIP 77210-4358		7. UNIT or CA AGREEMENT NAME: UTU68931A
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		8. WELL NAME and NUMBER: Ratherford
PHONE NUMBER: (281) 654-1936		9. API NUMBER: attached
COUNTY: San Juan		10. FIELD AND POOL, OR WILDCAT: Aneth
STATE: UTAH		

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>6/1/2006</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ExxonMobil Oil Corporation is transferring operatorship of Greater Aneth field, Ratherford lease to Resolute Natural Resources Company. All change of operator notices should be made effective as of 7:00 AM MST on June 1, 2006.

Attached please find a listing of producers and water source wells included in the transfer.

NAME (PLEASE PRINT) <u>Laurie Kilbride</u>	TITLE <u>Permitting Supervisor</u>
SIGNATURE <i>Laurie B. Kilbride</i>	DATE <u>4/19/2006</u>

(This space for State use only)

APPROVED 6/27/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED
APR 21 2006

DIV. OF OIL, GAS & MINING

Ratherford Unit - Producer Well List

minus P&A's

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
Ratherford	01-14	430373116200S1	Producing	1420603246A	1	41S	23E	SWSW	0660FSL	0660FWL
Ratherford	01-34	430371638501S1	SI	1420603246A	1	41S	23E	SWSE	1133FSL	1980FEL
Ratherford	11-41	430373154400S1	Producing	1420603246A	11	41S	23E	NENE	0860FNL	0350FEL
Ratherford	11-43	430373162201S1	Producing	1420603246A	11	41S	23E	NESE	1980FSL	0660FEL
Ratherford	12-12	430373119000S1	Producing	1420603246A	12	41S	23E	SWNW	1850FNL	0660FWL
Ratherford	12-14	430371584400S1	SI	1420603246A	12	41S	23E	SWSW	0660FSL	4622FEL
Ratherford	12-21	430373120100S1	Producing	1420603246A	12	41S	23E	NENW	0660FNL	1980FWL
Ratherford	12-23	430371584601S1	Producing	1420603246A	12	41S	23E	NESW	1958FSL	3300FEL
Ratherford	12-32	430373120300S1	Producing	1420603246A	12	41S	23E	SWNE	1820FNL	1820FEL
Ratherford	12-34	430373112600S1	Producing	1420603246A	12	41S	23E	SWSE	0675FSL	1905FEL
Ratherford	12-43	430373120200S1	SI	1420603246A	12	41S	23E	NESE	2100FSL	0660FEL
Ratherford	13-12	430373112701S1	Producing	1420603247A	13	41S	23E	SWNW	1705FNL	0640FWL
Ratherford	13-14	430373158900S1	Producing	1420603247A	13	41S	23E	SWSW	0660FSL	0660FWL
Ratherford	13-21	430373112801S1	SI	1420603247A	13	41S	23E	NENW	0660FNL	1920FWL
Ratherford	13-23	430373112900S1	Producing	1420603247A	13	41S	23E	NESW	1980FSL	1930FWL
Ratherford	13-34	430373113001S1	Producing	1420603247A	13	41S	23E	SWSE	0660FSL	1980FEL
Ratherford	13-41	430371585601S1	Producing	1420603247A	13	41S	23E	NENE	660FNL	660FEL
Ratherford	13-43	430373113100S1	Producing	1420603247A	13	41S	23E	NESE	1700FSL	0960FEL
Ratherford	14-32	430371585801S1	Producing	1420603247A	14	41S	23E	SWNE	2130FNL	1830FEL
Ratherford	14-41	430373162300S1	Producing	1420603247A	14	41S	23E	NENE	0521FNL	0810FEL
Ratherford	24-32	430373159300S1	Producing	1420603247A	24	41S	23E	SWNE	2121FNL	1846FEL
Ratherford	24-41	430373113200S1	Producing	1420603247A	24	41S	23E	NENE	0660FNL	0710FEL
Ratherford	17-11	430373116900S1	Producing	1420603353	17	41S	24E	NWNW	1075FNL	0800FWL
Ratherford	17-13	430373113301S1	Producing	1420603353	17	41S	24E	NWSW	2100FSL	0660FWL
Ratherford	17-22	430373117001S1	Producing	1420603353	17	41S	24E	SENE	1882FNL	1910FWL
Ratherford	17-24	430373104400S1	Producing	1420603353	17	41S	24E	SESW	0720FSL	1980FWL
Ratherford	17-31	430373117800S1	Producing	1420603353	17	41S	24E	NWNE	0500FNL	1980FEL
Ratherford	17-33	430373113400S1	Producing	1420603353	17	41S	24E	NWSE	1980FSL	1845FEL
Ratherford	17-42	430373117700S1	Producing	1420603353	17	41S	24E	SENE	1980FNL	0660FEL
Ratherford	17-44	430371573201S1	Producing	1420603353	17	41S	24E	SESE	0660FSL	0660FEL
Ratherford	18-11	430371573300S1	SI	1420603353	18	41S	24E	NWNW	0720FNL	0730FWL
Ratherford	18-13	430371573401S1	Producing	1420603353	18	41S	24E	NWSW	1980FSL	0500FWL
Ratherford	18-22	430373123600S1	Producing	1420603353	18	41S	24E	SENE	2200FNL	2210FWL
Ratherford	18-24	430373107900S1	Producing	1420603353	18	41S	24E	SESW	0760FSL	1980FWL
Ratherford	18-31	430373118101S1	Producing	1420603353	18	41S	24E	NWNE	0795FNL	2090FEL
Ratherford	18-33	430373113501S1	Producing	1420603353	18	41S	24E	NWSE	1870FSL	1980FEL
Ratherford	18-42	430373118200S1	Producing	1420603353	18	41S	24E	SENE	2120FNL	0745FEL
Ratherford	18-44	430373104500S1	SI	1420603353	18	41S	24E	SESE	0660FSL	0660FEL
Ratherford	19-11	430373108000S1	Producing	1420603353	19	41S	24E	NWNW	0660FNL	0660FWL
Ratherford	19-13	430373171900S1	Producing	1420603353	19	41S	24E	NWSW	1980FSL	0660FWL
Ratherford	19-22	430373104601S1	Producing	1420603353	19	41S	24E	SENE	1840FNL	1980FWL
Ratherford	19-24	430373175401S1	Producing	1420603353	19	41S	24E	SESW	0600FSL	1980FWL
Ratherford	19-31	430373104701S1	Producing	1420603353	19	41S	24E	NWNE	510FNL	1980FEL
Ratherford	19-33	430373104800S1	Producing	1420603353	19	41S	24E	NWSE	1980FSL	1980FEL
Ratherford	19-42	430373091600S1	Producing	1420603353	19	41S	24E	SENE	1880FNL	0660FEL
Ratherford	19-44	430373108100S1	Producing	1420603353	19	41S	24E	SESE	0660FSL	0660FEL
Ratherford	19-97	430373159600S1	Producing	1420603353	19	41S	24E	SENE	2562FNL	0030FEL
Ratherford	20-11	430373104900S1	Producing	1420603353	20	41S	24E	NWNW	0500FNL	0660FWL
Ratherford	20-13	430373091700S1	Producing	1420603353	20	41S	24E	NWSW	2140FSL	0500FWL
Ratherford	20-22	430373093000S1	Producing	1420603353	20	41S	24E	SENE	2020FNL	2090FWL
Ratherford	20-24	430373091800S1	Producing	1420603353	20	41S	24E	SESW	0820FSL	1820FWL

Ratherford Unit - Producer Well List

minus P&A's

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
Ratherford	20-31	430373105001S1	Producing	1420603353	20	41S	24E	NWNE	0660FNL	1880FEL
Ratherford	20-33	430373093100S1	Producing	1420603353	20	41S	24E	NWSE	1910FSL	2140FEL
Ratherford	20-42	430373105100S1	Producing	1420603353	20	41S	24E	SENE	1980FNL	0660FEL
Ratherford	20-44	430373091501S1	Producing	1420603353	20	41S	24E	SESE	0620FSL	0760FEL
Ratherford	20-66	430373159201S1	Producing	1420603353	20	41S	24E	SWNW	1369FNL	1221FWL
Ratherford	20-68	430373159100S1	Producing	1420603353	20	41S	24E	NWSW	1615FSL	1276FWL
Ratherford	15-12	430371571501S1	Producing	1420603355	15	41S	24E	SWNW	1820FNL	0500FWL
Ratherford	15-22	430373044900S1	SI	1420603355	15	41S	24E	SENE	1980FNL	2050FWL
Ratherford	15-32	430371571700S1	Producing	1420603355	15	41S	24E	SWNE	1980FNL	1980FEL
Ratherford	15-33	430371571800S1	Producing	1420603355	15	41S	24E	NWSE	1650FSL	1980FEL
Ratherford	15-41	430371571900S1	TA	1420603355	15	41S	24E	NENE	0660FNL	0660FEL
Ratherford	15-42	430373044800S1	Producing	1420603355	15	41S	24E	SENE	2020FNL	0820FEL
Ratherford	16-13	430373116801S1	Producing	1420603355	16	41S	24E	NWSW	1980FSL	660FWL
Ratherford	16-32	430371572300S1	Producing	1420603355	16	41S	24E	SWNE	1980FNL	1980FEL
Ratherford	16-41	430371572500S1	Producing	1420603355	16	41S	24E	NENE	0660FNL	0660FEL
Ratherford	16-77	430373176800S1	Producing	1420603355	16	41S	24E	NESW	2587FSL	2410FWL
Ratherford	21-23	430371375400S1	Producing	1420603355	21	41S	24E	NESW	1740FSL	1740FWL
Ratherford	21-24	430373172001S1	SI	1420603355	21	41S	24E	SESW	487FSL	2064FWL
Ratherford	21-32	430371575500S1	SI	1420603355	21	41S	24E	SWNE	1880FNL	1980FEL
Ratherford	21-77	430373175801S1	SI	1420603355	21	41S	24E	NWSE	2511FSL	2446FEL
Ratherford	07-11	430373116300S1	Producing	1420603368	7	41S	24E	NWNW	0660FNL	0710FWL
Ratherford	07-13	430373116400S1	Producing	1420603368	7	41S	24E	NWSW	2110FSL	0740FWL
Ratherford	07-22	430373116500S1	Producing	1420603368	7	41S	24E	SENE	1980FNL	1980FWL
Ratherford	07-24	430373116600S1	Producing	1420603368	7	41S	24E	SESW	0880FSL	2414FWL
Ratherford	07-44	430373118900S1	SI	1420603368	7	41S	24E	SESE	0737FSL	0555FEL
Ratherford	08-12	430371599100S1	Producing	1420603368	8	41S	24E	SWNW	1909FNL	0520FWL
Ratherford	08-21	430371599300S1	Producing	1420603368	8	41S	24E	NENW	0616FNL	1911FWL
Ratherford	08-23	430371599400S1	Producing	1420603368	8	41S	24E	NESW	1920FSL	2055FWL
Ratherford	08-32	430371599500S1	Producing	1420603368	8	41S	24E	SWNE	1980FNL	1980FEL
Ratherford	08-34	430371599600S1	Producing	1420603368	8	41S	24E	SWSE	0660FSL	1980FEL
Ratherford	04-34	430371616400S1	Producing	14206034035	4	41S	24E	SWSE	0660FSL	1980FEL
Ratherford	11-14	430371616700S1	Producing	14206034037	11	41S	24E	SWSW	0660FSL	0660FWL
Ratherford	09-34	430371571100S1	SI	14206034043	9	41S	24E	SWSE	0660FSL	1980FEL
Ratherford	10-12	430371571200S1	Producing	14206034043	10	41S	24E	SWNW	1980FNL	0660FWL
Ratherford	10-14	430371571300S1	Producing	14206034043	10	41S	24E	SWSW	0510FSL	0710FWL
Ratherford	10-32	430371571400S1	TA	14206034043	10	41S	24E	SWNE	2080FNL	1910FEL
Ratherford	10-44	430373045100S1	TA	14206034043	10	41S	24E	SESE	0820FSL	0510FEL
Ratherford	29-11	430373105300S1	Producing	1420603407	29	41S	24E	NWNW	0770FNL	0585FWL
Ratherford	29-22	430373108200S1	Producing	1420603407	29	41S	24E	SENE	2130FNL	1370FWL
Ratherford	29-31	430373091401S1	Producing	1420603407	29	41S	24E	NWNE	0700FNL	2140FEL
Ratherford	29-33	430373093200S1	SI	1420603407	29	41S	24E	NWSE	1860FSL	1820FEL
Ratherford	29-34	430371534000S1	SI	1420603407	29	41S	24E	SWSE	0817FSL	2096FEL
Ratherford	29-42	430373093700S1	SI	1420603407	29	41S	24E	SENE	1850FNL	0660FEL
Ratherford	30-32	430371534200S1	Producing	1420603407	30	41S	24E	SWNE	1975FNL	2010FEL
Ratherford	28-11	430373044600S1	Producing	1420603409	28	41S	24E	NWNW	0520FNL	0620FWL

Ratherford Unit - Producer Well List

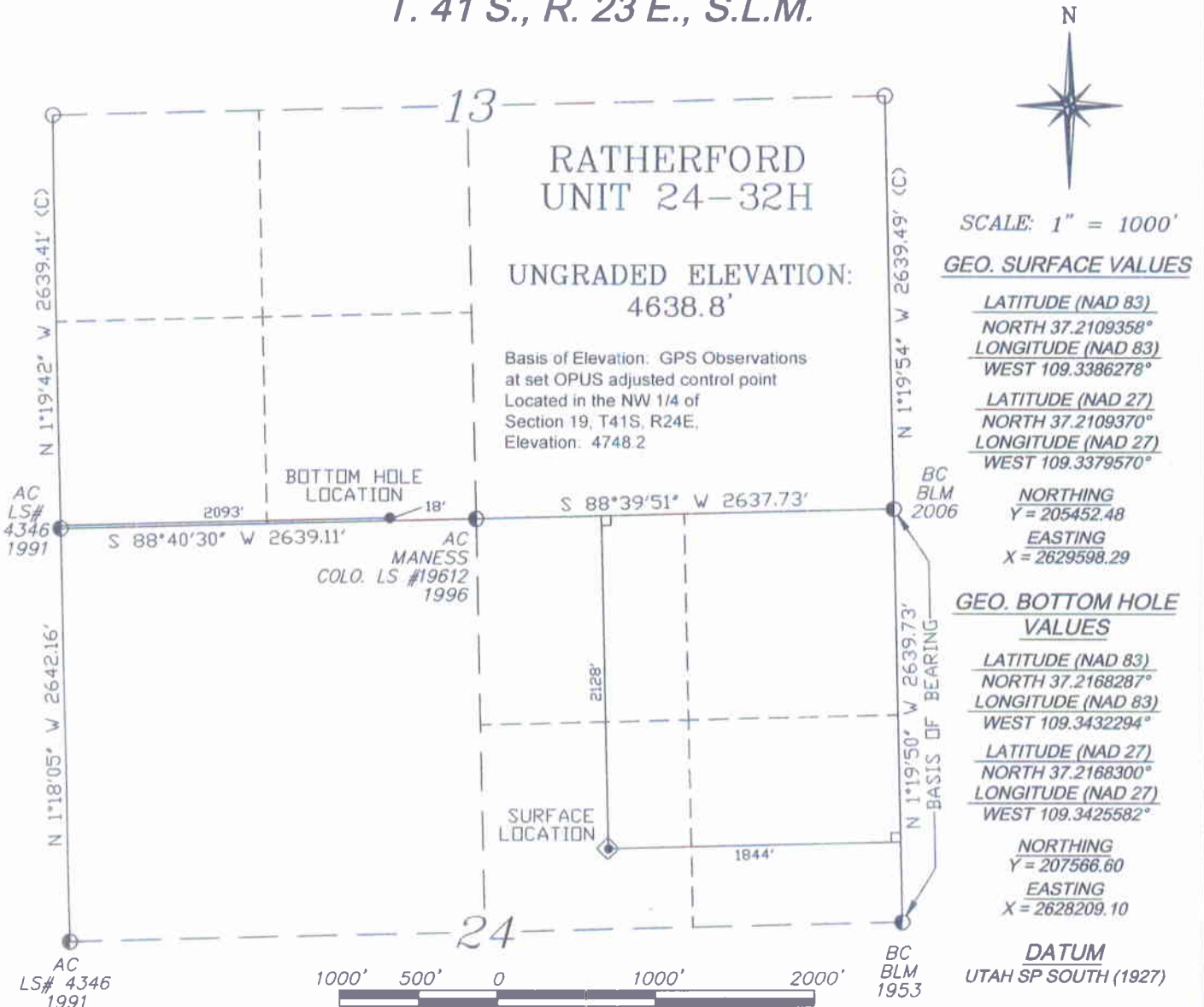
minus P&A's

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
Ratherford	09-12	430371512600S1	Producing	14206035045	9	41S	24E	SWNW	1865FNL	0780FWL
Ratherford	09-14	430371512700S1	Producing	14206035046	9	41S	24E	SWSW	0695FSL	0695FWL
Ratherford	04-14	430371616300S1	Producing	14206035446	4	41S	24E	SWSW	0500FSL	0660FWL
Ratherford	03-12	430371562000S1	Producing	14206036506	3	41S	24E	SWNW	2140FNL	0660FWL

Water Source Wells (Feb 2006)

RU	S1	4303700001	Active
RU	S2	4303700002	Active
RU	S3	4303700003	Active
RU	S4	4303700004	Active
RU	S5	4303700005	Active
RU	S6	4303700006	Active
RU	S7	4303700007	Active
RU	S8	4303700008	Active
RU	S9	4303700009	Active
RU	S10	4303700010	Active
RU	S11	4303700011	Active
RU	S12	4303700012	Active
RU	S13	4303700013	Active
RU	S14	4303700014	Active
RU	S16	4303700016	Active
RU	S17	4303700017	Active

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-247A			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO 7. UNIT or CA AGREEMENT NAME: RATHERFORD			
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: RATHERFORD 24-32			
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES		9. API NUMBER: 43037315930000			
3. ADDRESS OF OPERATOR: 1675 Boradway Ste 1950 , Denver, CO, 80202		9. FIELD and POOL or WILDCAT: GREATER ANETH			
4. LOCATION OF WELL FOOTAGES AT SURFACE: <i>Re-Surveyed 2128' FNL 1844' FEL</i> 2424 FNL 4846 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 24 Township: 41.0S Range: 23.0E Meridian: S		COUNTY: SAN JUAN STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/7/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER:
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: 			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Resolute proposes to exit and sidetrack the existing casing in the subject well, for an approximately 2500 foot lateral from the current vertical wellbore to better drain the Desert Creek IB interval. The new lateral will be left open hole and will be produced. The proposed procedure, wellbore diagrams (current and proposed), BOP diagram, plat, directional plan and water well sources is attached. <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 45%;"> <p style="font-size: 1.2em; margin: 0;">647417X</p> <p style="font-size: 1.2em; margin: 0;">41195614</p> <p style="font-size: 1.2em; margin: 0;">37.210895</p> <p style="font-size: 1.2em; margin: 0;">-109.338643</p> </div> <div style="width: 50%; text-align: center;"> <p style="margin: 0;">Approved by the Utah Division of Oil, Gas and Mining</p> <p style="margin: 0;">Date: <u>10-09-13</u></p> <p style="margin: 0;">By: </p> </div> </div>					
NAME (PLEASE PRINT) Sherry Glass		PHONE NUMBER 303 573-4886			
SIGNATURE N/A		TITLE Sr Regulatory Technician DATE 10/7/2013			

T. 41 S., R. 23 E., S.L.M.**SURVEYOR'S STATEMENT:**

I, John A. Vukonich, of Farmington, New Mexico, hereby state: This plat was made from notes taken during an actual survey under my direct supervision on May 01, 2013, and it correctly shows the location of RATHERFORD UNIT 24-32H.

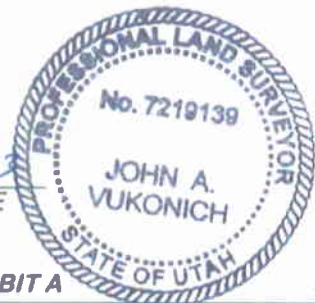
LEGEND

- ◆ SURFACE WELL LOCATION
- CALCULATED POSITION
- FOUND MONUMENT (AS LABELED)
- BOTTOM HOLE LOCATION
- (C) CALCULATED
- L DENOTES 90° TIE

UTAH PLS No. 7219139-2201
johnv@ufsnm.com

DATE

EXHIBIT A



P.O. BOX 3651
FARMINGTON, N.M.
(505) 334-0408

SCALE: 1" = 1000'

JOB No. 10484

DATE: 05/10/13

**PLAT OF PROPOSED WELL LOCATION
FOR
RESOLUTE NATURAL RESOURCES COMPANY**

SURFACE: 2128' F/NL & 1844' F/EL, SECTION 24
BOTTOM HOLE: 18' F/SL & 2093' F/WL, SECTION 13
T. 41 S, R. 23 E, SALT LAKE MERIDIAN
SAN JUAN COUNTY, UTAH

BY: H.S.

DWG.#: 10484W01

Ratherford Unit 24-32H

2128' FNL & 1844' FEL

Sec 24, T41S, R24E

San Juan County, Utah

API 43-037-31593

Job Scope – Exit and sidetrack existing casing drilling ~ 2,500' lateral from the current vertical wellbore to better drain the Desert Creek IB interval. The new lateral will be left open hole and will be produced.

Procedure: (Sundry Notice of Intent)

1. MIRU Well Service Unit.
2. Pull & LD rods & pump.
3. NU BOP, Pull production tubing & BHA.
4. Make cleanout trip to ~5300' with bit & scraper.
5. Run Casing Inspection and Cement Bond Logs from ~5330' to surface.
6. Set RBP for KOP at ~5000'. (Exact depth to be determined from csg inspection and CBL logs.)
7. RIH & set whipstock on RBP & orient same.
8. Mill ~7' window in 7" casing for 5000' KOP.
9. Drill 6-1/8" curve and lateral ~ 2,500' vertical section @ 320 deg azimuth.
10. Acid stimulate the OH lateral and flow back the acid load volume.
11. Run production tubing & BHA.
12. Run rods & insert pump.

13. ND BOPE, NU Wellhead &flow line.

14. RDMO Drilling rig.

ADDITIONAL SUPPORT INFORMATION
Sundry – Notice of Intent
Ratherford Unit 24-32H Producer
Drill Sidetrack Horizontal Lateral for DC-1B Reserves

1. Formation Tops

Existing Formation Tops (TVD):

Upper Ismay:	5181'
Lower Ismay:	5272'
Gothic Shale:	5335'
Desert Creek IA	5366'
Desert Creek IB	5376'

2. Wellbore Diagrams –

Existing Wellbore Diagram – Attachment No. 1

Proposed Wellbore Diagram – Attachment No. 2

3. BOP Diagram and Equipment Description – Attachment No. 3

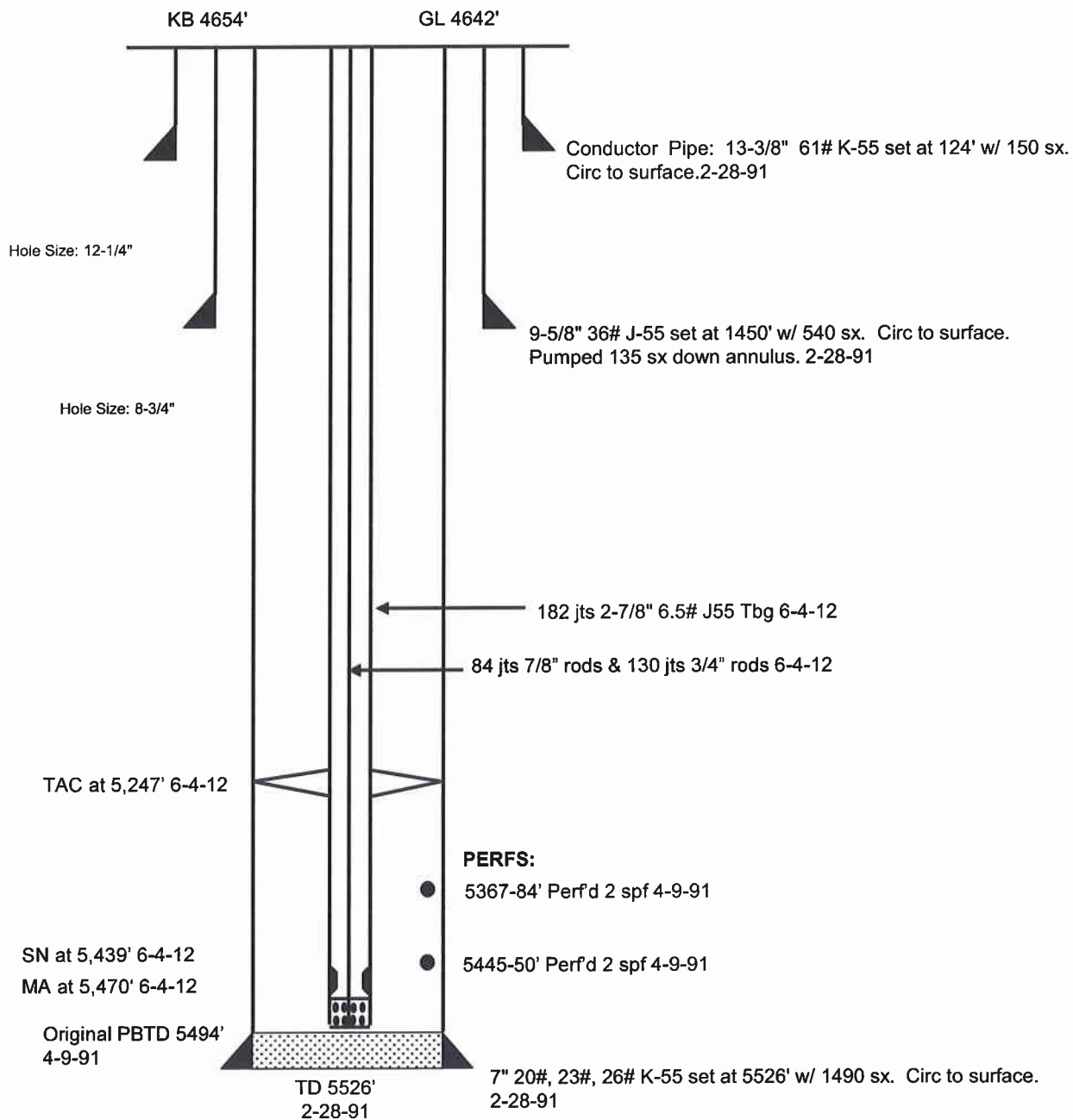
4. Directional Plan – Attachment No. 4

5. Drilling Mud Specifications

- a. Proposed to drill laterals with N2 foamed fresh water fluid, in an underbalanced situation, or if conditions warrant,
- b. CaCl₂ brine water will be used, and if this will not control formation pressure during the drilling operations,
- c. Drilling mud with a salt polymer will be used if required for control of formation pressure during the drilling operations

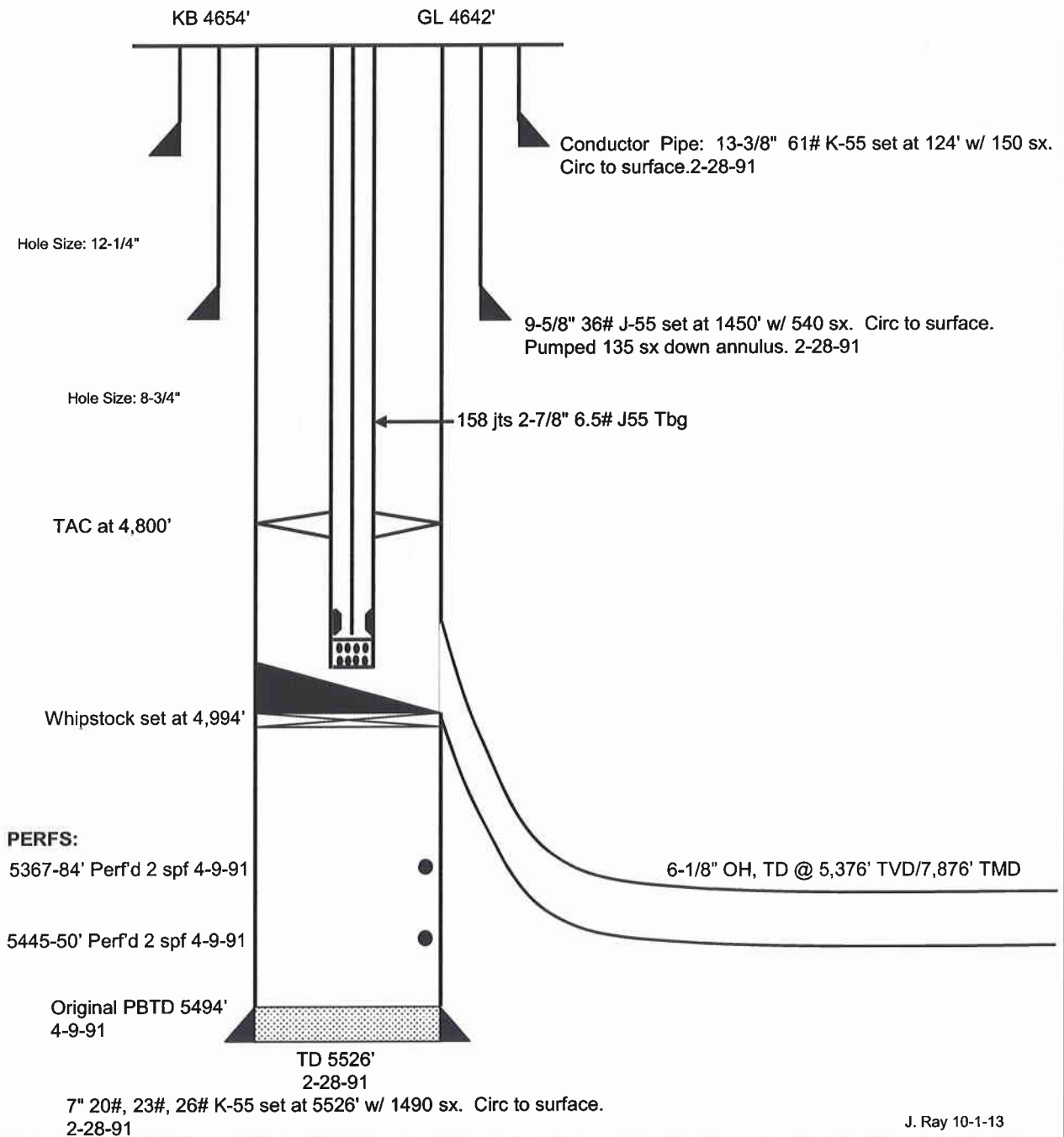
RATHERFORD UNIT # 24-32
GREATER ANETH FIELD
2128' FNL & 1844' FEL
SEC 24-T41S-R23E
SAN JUAN COUNTY, UTAH
API 43-037-31593

CURRENT WELLBORE DIAGRAM

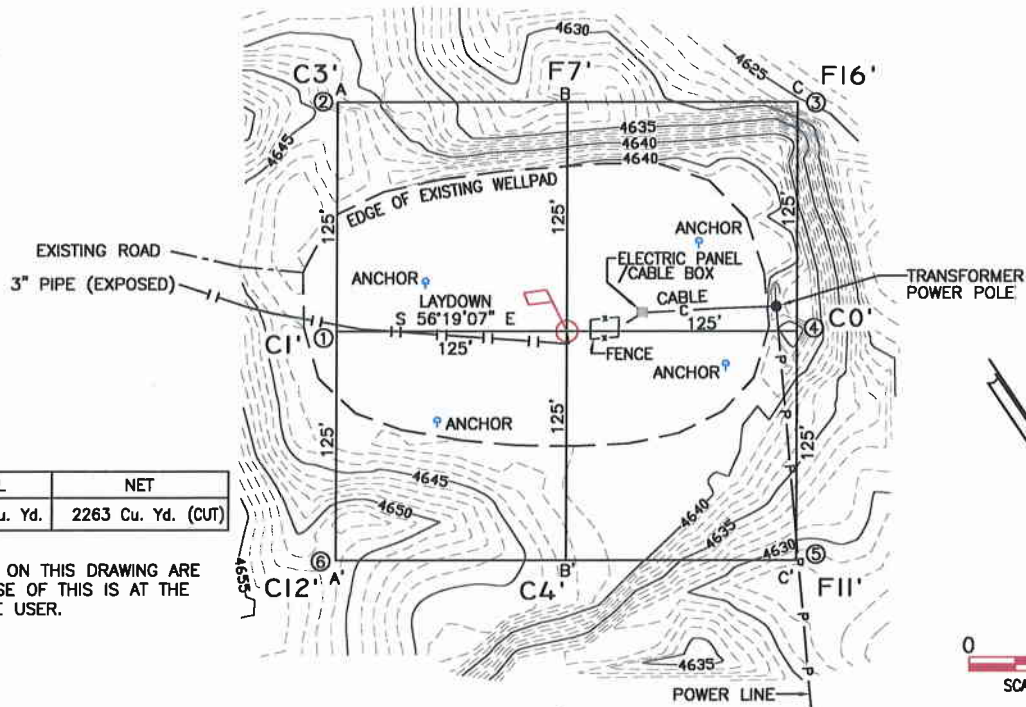


RATHERFORD UNIT # 24-32
GREATER ANETH FIELD
2128' FNL & 1844' FEL
SEC 24-T41S-R23E
SAN JUAN COUNTY, UTAH
API 43-037-31593

PROPOSED WELLBORE DIAGRAM



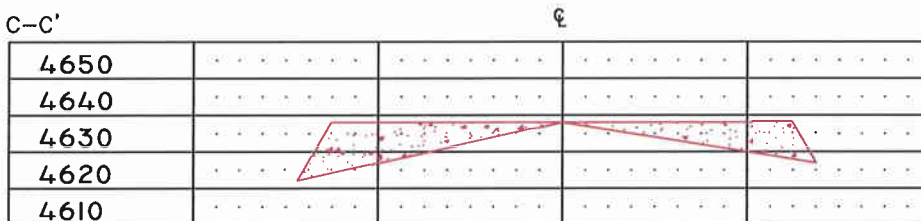
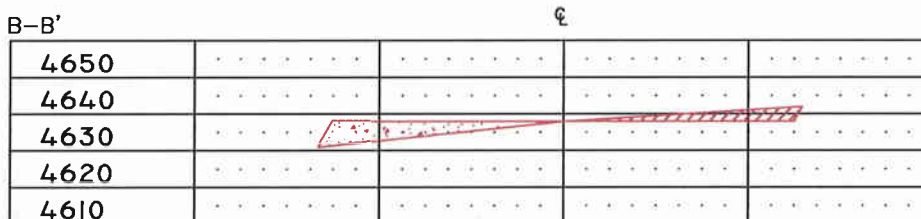
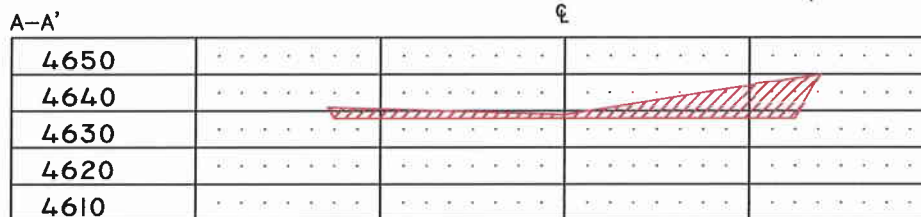
**BEFORE DIGGING
CALL FOR UTILITY
LINE LOCATION!**



CUT	FILL	NET
4843 Cu. Yd.	2580 Cu. Yd.	2263 Cu. Yd. (CUT)

NOTE:
THE EARTH QUANTITIES ON THIS DRAWING ARE
ESTIMATED AND THE USE OF THIS IS AT THE
RESPONSIBILITY OF THE USER.

0 50 100
SCALE: 1"=100'



CROSS SECTIONS
HORIZONTAL: 1"=100'
VERTICAL: 1"=50'

EXHIBIT 1A

RESOLUTE
NATURAL RESOURCES

LEASE: RATHERFORD UNIT 24-32H

2128' FNL, 1844' FEL (SURFACE) SEC. 24
FOOTAGES: 18' FSL, 2093' FWL (BOTTOM HOLE) SEC. 13

SEC. 24 & 13 TWN. 41 S RNG. 23 E S.L.M.

LAT.: N 37.2109358° LONG.: W 109.3386278° (NAD 83)

ELEVATION: 4638

SURVEYED: 05/01/13

REV. DATE:

APP. BY J.A.V.

DRAWN BY: H.S.

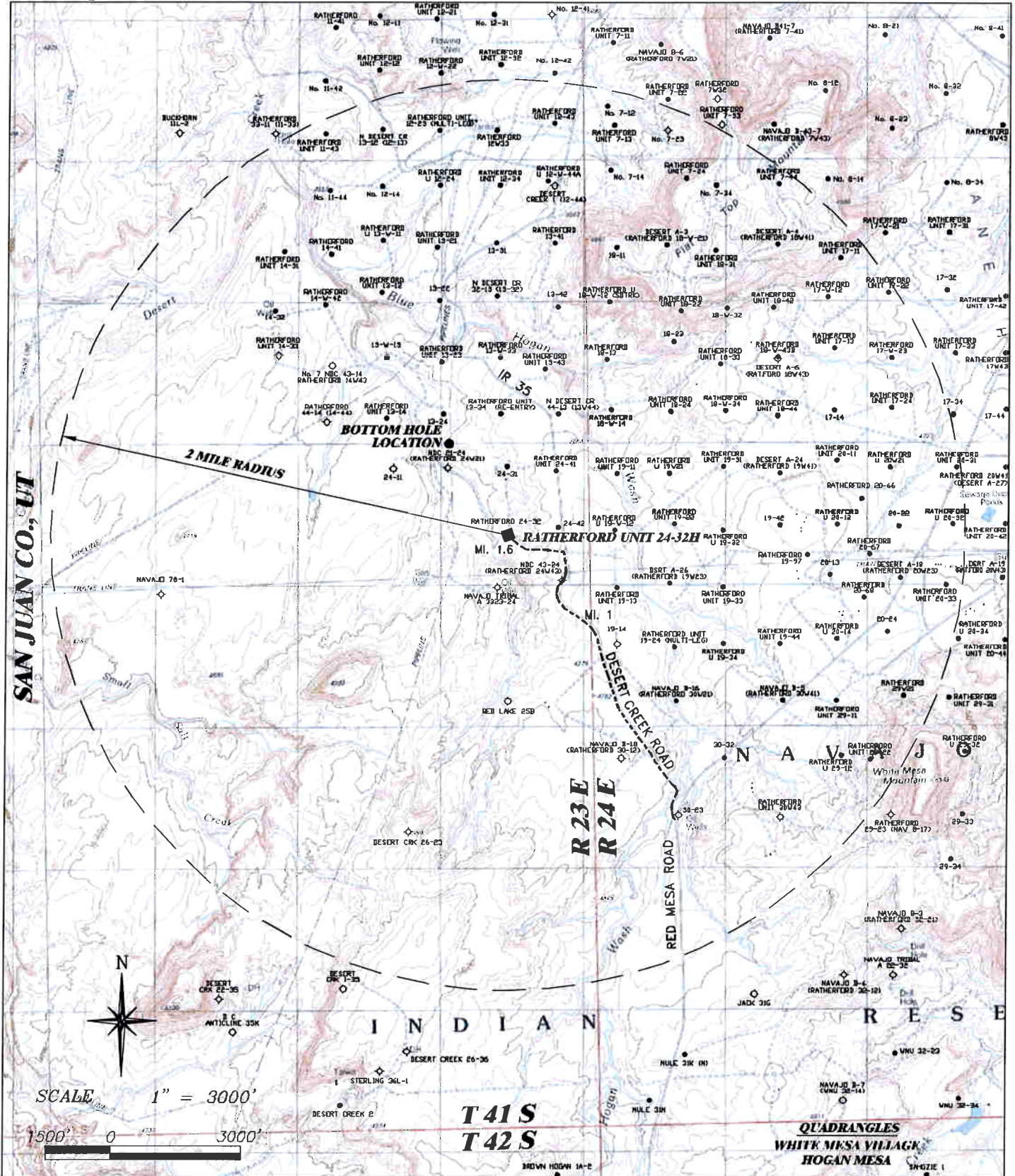
DATE DRAWN: 05/10/13

FILE NAME: 10484C01

UNITED
FIELD SERVICES INC.

P.O. BOX 3651
FARMINGTON, NM 87499
OFFICE: (505) 334-0408

RECEIVED: Oct. 07, 2013



P.O. BOX 3651
FARMINGTON, N.M.
(505) 334-0408

SCALE: 1" = 3000'

JOB No. 10484

DATE: 05/10/13

**PROPOSED WELL LOCATION FOR
RESOLUTE NATURAL RESOURCES
RATHERFORD UNIT 24-32H**

EXISTING ROAD
ACCESS/EGRESS

**EXHIBIT
2A**

BY: H.S. DWG.#: 10484T01

RECEIVED: Oct. 07, 2013

Resolute

Energy Corporation

Resolute Natural Resources

San Juan County, UT (Nad 83)

Sec 24, T41S, R23E

RU 24-32H

Hz

UWI:

WL:

Plan: #1

Standard Planning Report

03 October, 2013



Sundry Number: 43465 API Well Number: 43037315930000



Project: San Juan County, UT (Nad 83)
Site: Sec 24, T41S, R23E
Well: RU 24-32H
Wellbore: Hz
Plan: #1



Azimuths to True North
Magnetic North: 10.33°

Magnetic Field
Strength: 50573.5nT
Dip Angle: 63.51°
Date: 10/2/2013
Model: IGRF2010

Well Centre Reference

Geodetic System: US State Plane 1983
Ellipsoid: GRS 1980
Zone: Utah Southern Zone
Northing: 10047952.03
Easting: 2269804.23
Latitude: 37° 12' 39.369 N
Longitude: 109° 20' 19.060 W
Grid Convergence: 1.32° West
Ground Elevation: 4638.8
KB Elevation: Est RKB @ 4652.8usft (Survey)

Formation Tops

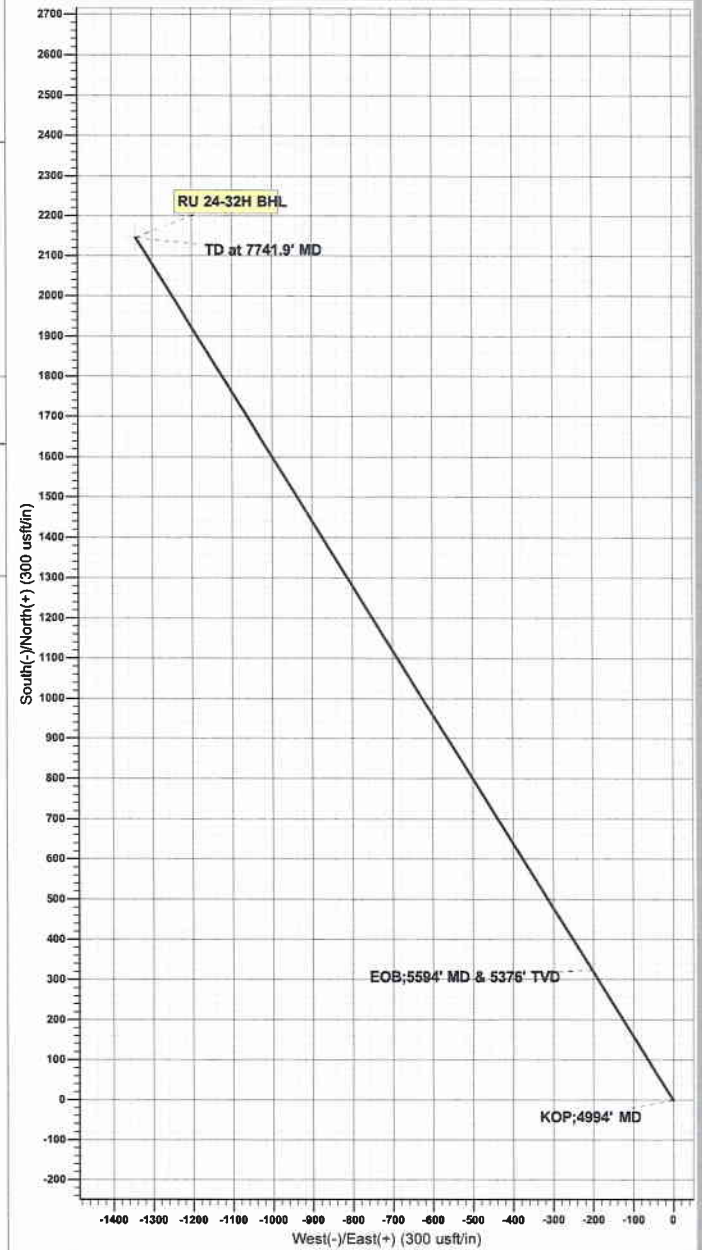
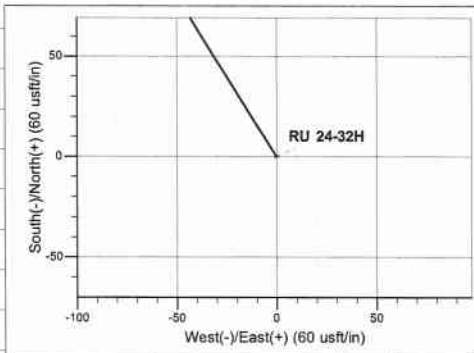
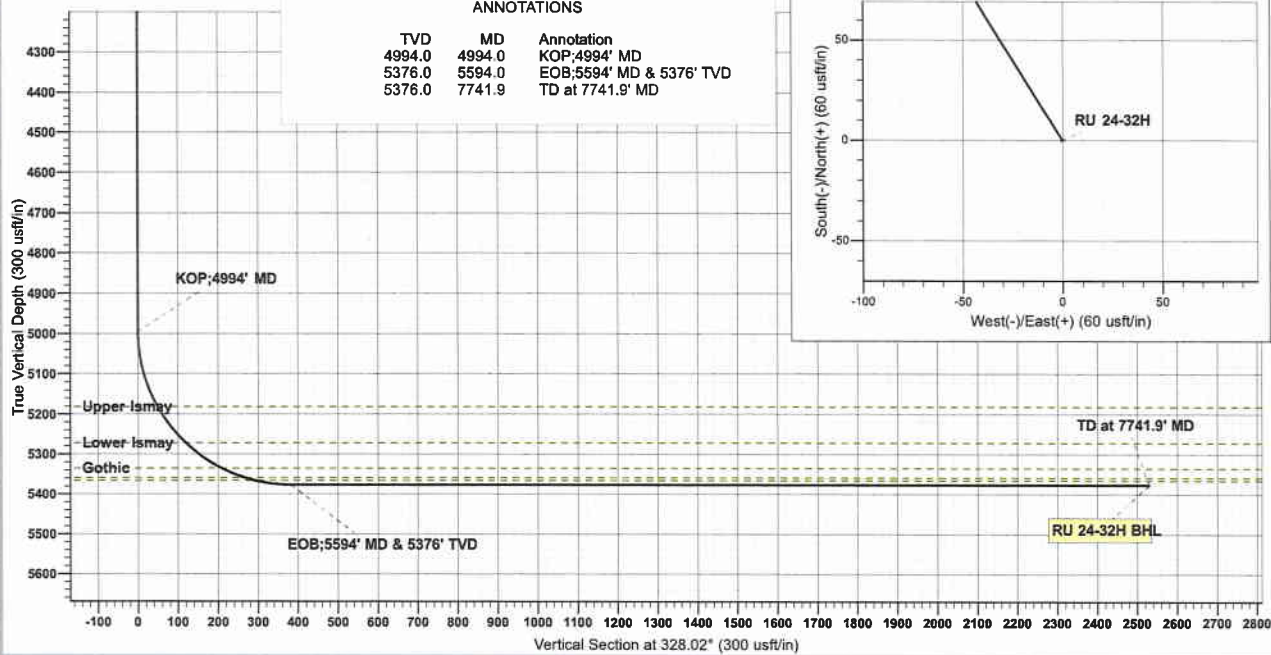
TVDPATH	MDPATH	Formation
5181.0	5189.4	Upper Ismay
5272.0	5305.3	Lower Ismay
5335.0	5415.5	Gothic
5358.0	5476.4	Gothic LSW
5366.0	5506.5	DC-IA
5366.0	5506.5	DC-IB

PLAN DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4994.0	0.00	0.00	4994.0	0.0	0.0	0.00	0.00	0.0	
3	5594.0	90.00	328.02	5376.0	324.0	-202.3	15.00	328.02	382.0	
4	5614.0	90.00	328.02	5376.0	341.0	-212.9	0.00	0.00	402.0	
5	7741.9	90.00	328.03	5376.0	2146.0	-1339.8	0.00	104.50	2529.9	RU 24-32H BHL

ANNOTATIONS

TVD	MD	Annotation
4994.0	4994.0	KOP:4994' MD
5376.0	5594.0	EOB:5594' MD & 5376' TVD
5376.0	7741.9	TD at 7741.9' MD



RECEIVED: Oct. 07, 2013

Resolute
Energy Corporation**Mesa West Directional**

Planning Report



Database: EDM 5000.1 Single User Db
Company: Resolute Natural Resources
Project: San Juan County, UT (Nad 83)
Site: Sec 24, T41S, R23E
Well: RU 24-32H
Wellbore: Hz
Design: #1

Local Co-ordinate Reference: Well RU 24-32H
TVD Reference: Est RKB @ 4652.8usft (Survey)
MD Reference: Est RKB @ 4652.8usft (Survey)
North Reference: True
Survey Calculation Method: Minimum Curvature

Project	San Juan County, UT (Nad 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Southern Zone		Using geodetic scale factor

Well	RU 24-32H		
Well Position	+N/-S	0.0 usft	Northing: 10,047,952.03 usft
	+E/-W	0.0 usft	Easting: 2,269,804.23 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	Latitude: 37° 12' 39.369 N
			Longitude: 109° 20' 19.060 W
			Ground Level: 4,638.8 usft

Wellbore	Hz				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF2010	10/2/2013	10.33	63.51	50,574

Design	#1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	328.02

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,994.0	0.00	0.00	4,994.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,594.0	90.00	328.02	5,376.0	324.0	-202.3	15.00	15.00	0.00	328.02	
5,614.0	90.00	328.02	5,376.0	341.0	-212.9	0.00	0.00	0.00	0.00	
7,741.9	90.00	328.03	5,376.0	2,146.0	-1,339.8	0.00	0.00	0.00	104.50	RU 24-32H BHL

Resolute

Energy Corporation

Mesa West Directional

Planning Report



Database: EDM 5000.1 Single User Db
Company: Resolute Natural Resources
Project: San Juan County, UT (Nad 83)
Site: Sec 24, T41S, R23E
Well: RU 24-32H
Wellbore: Hz
Design: #1

Local Co-ordinate Reference: Well RU 24-32H
TVD Reference: Est RKB @ 4652.8usft (Survey)
MD Reference: Est RKB @ 4652.8usft (Survey)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	-4,652.8	0.0	0.0	0.0	0.00	0.00	0.00
KOP;4994' MD										
4,994.0	0.00	0.00	4,994.0	341.2	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.90	328.02	5,000.0	347.2	0.0	0.0	0.0	15.00	15.00	0.00
5,100.0	15.90	328.02	5,098.6	445.8	12.4	-7.7	14.6	15.00	15.00	0.00
Upper Ismay										
5,189.4	29.31	328.02	5,181.0	528.2	41.5	-25.9	48.9	15.00	15.00	0.00
5,200.0	30.90	328.02	5,190.2	537.4	46.0	-28.7	54.2	15.00	15.00	0.00
5,300.0	45.90	328.02	5,268.3	615.5	98.5	-61.5	116.2	15.00	15.00	0.00
Lower Ismay										
5,305.3	46.70	328.02	5,272.0	619.2	101.8	-63.6	120.0	15.00	15.00	0.00
5,400.0	60.90	328.02	5,327.8	675.0	166.4	-103.9	196.2	15.00	15.00	0.00
Gothic										
5,415.5	63.22	328.02	5,335.0	682.2	178.0	-111.1	209.9	15.00	15.00	0.00
Gothic LSW										
5,476.4	72.35	328.02	5,358.0	705.2	225.8	-141.0	266.2	15.00	15.00	0.00
5,500.0	75.90	328.02	5,364.5	711.7	245.1	-153.0	288.9	15.00	15.00	0.00
DC-1A - DC-1B										
5,506.5	76.88	328.02	5,366.0	713.2	250.5	-156.4	295.3	15.00	15.00	0.00
EOB;5594' MD & 5376' TVD										
5,594.0	90.00	328.02	5,376.0	723.2	324.0	-202.3	382.0	15.00	15.00	0.00
5,600.0	90.00	328.02	5,376.0	723.2	329.1	-205.5	388.0	0.00	0.00	0.00
5,614.0	90.00	328.02	5,376.0	723.2	341.0	-212.9	402.0	0.00	0.00	0.00
5,700.0	90.00	328.02	5,376.0	723.2	413.9	-258.4	488.0	0.00	0.00	0.00
5,800.0	90.00	328.02	5,376.0	723.2	498.7	-311.4	588.0	0.00	0.00	0.00
5,900.0	90.00	328.02	5,376.0	723.2	583.6	-364.4	688.0	0.00	0.00	0.00
6,000.0	90.00	328.02	5,376.0	723.2	668.4	-417.3	788.0	0.00	0.00	0.00
6,100.0	90.00	328.02	5,376.0	723.2	753.2	-470.3	888.0	0.00	0.00	0.00
6,200.0	90.00	328.02	5,376.0	723.2	838.0	-523.2	988.0	0.00	0.00	0.00
6,300.0	90.00	328.02	5,376.0	723.2	922.9	-576.2	1,088.0	0.00	0.00	0.00
6,400.0	90.00	328.02	5,376.0	723.2	1,007.7	-629.2	1,188.0	0.00	0.00	0.00
6,500.0	90.00	328.02	5,376.0	723.2	1,092.5	-682.1	1,288.0	0.00	0.00	0.00
6,600.0	90.00	328.02	5,376.0	723.2	1,177.3	-735.1	1,388.0	0.00	0.00	0.00
6,700.0	90.00	328.02	5,376.0	723.2	1,262.2	-788.0	1,488.0	0.00	0.00	0.00
6,800.0	90.00	328.02	5,376.0	723.2	1,347.0	-841.0	1,588.0	0.00	0.00	0.00
6,900.0	90.00	328.02	5,376.0	723.2	1,431.8	-894.0	1,688.0	0.00	0.00	0.00
7,000.0	90.00	328.02	5,376.0	723.2	1,516.6	-946.9	1,788.0	0.00	0.00	0.00
7,100.0	90.00	328.02	5,376.0	723.2	1,601.5	-999.9	1,888.0	0.00	0.00	0.00
7,200.0	90.00	328.02	5,376.0	723.2	1,686.3	-1,052.8	1,988.0	0.00	0.00	0.00
7,300.0	90.00	328.02	5,376.0	723.2	1,771.1	-1,105.8	2,088.0	0.00	0.00	0.00
7,400.0	90.00	328.02	5,376.0	723.2	1,856.0	-1,158.7	2,188.0	0.00	0.00	0.00
7,500.0	90.00	328.03	5,376.0	723.2	1,940.8	-1,211.7	2,288.0	0.00	0.00	0.00
7,600.0	90.00	328.03	5,376.0	723.2	2,025.6	-1,264.6	2,388.0	0.00	0.00	0.00
7,700.0	90.00	328.03	5,376.0	723.2	2,110.4	-1,317.6	2,488.0	0.00	0.00	0.00
TD at 7741.9' MD										
7,741.9	90.00	328.03	5,376.0	723.2	2,146.0	-1,339.8	2,529.9	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well RU 24-32H
Company:	Resolute Natural Resources	TVD Reference:	Est RKB @ 4652.8usft (Survey)
Project:	San Juan County, UT (Nad 83)	MD Reference:	Est RKB @ 4652.8usft (Survey)
Site:	Sec 24, T41S, R23E	North Reference:	True
Well:	RU 24-32H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	#1		

Design Targets**Target Name**

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
RU 24-32H BHL - plan hits target center - Point	0.00	0.00	5,376.0	2,146.0	-1,339.8	10,050,066.50	2,268,415.19	37° 13' 0.586 N	109° 20' 35.623 W

Formations

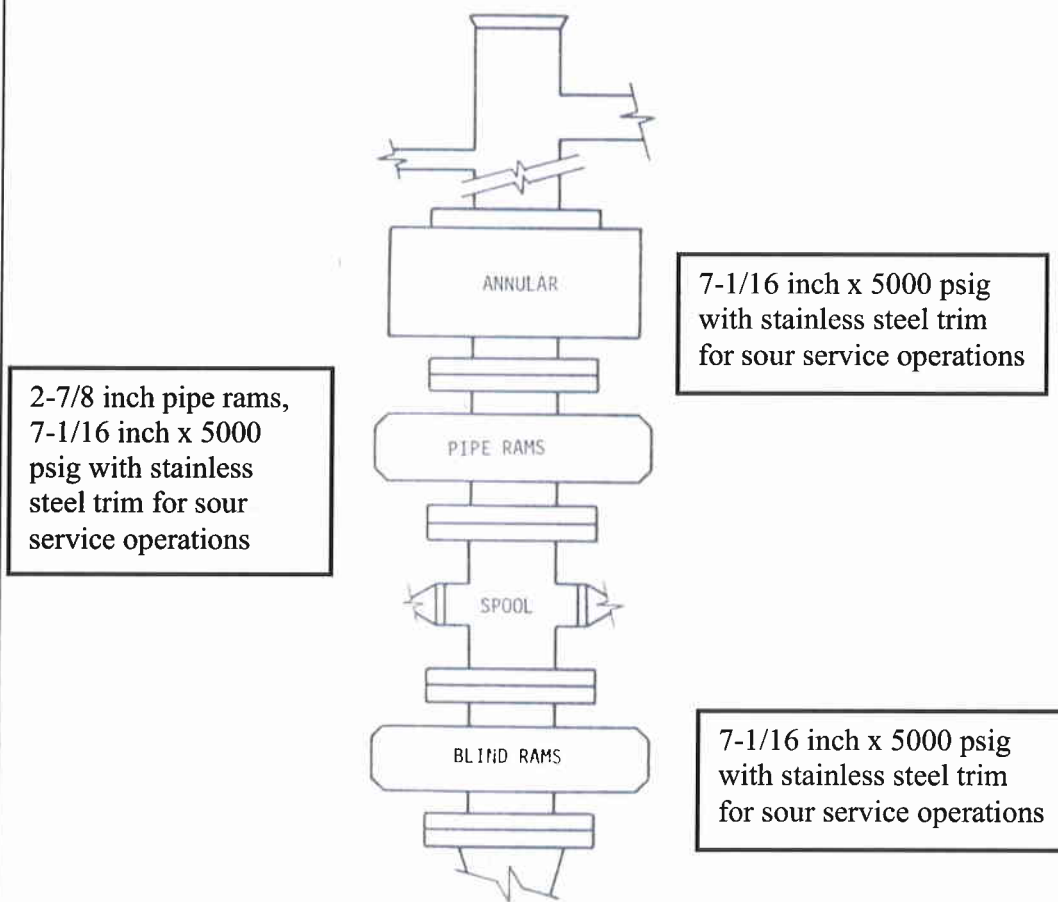
Measured Depth (usft)	Vertical Depth (usft)	Subsea Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
5,189.4	5,181.0	-528.2	Upper Ismay			
5,305.3	5,272.0	-619.2	Lower Ismay			
5,415.5	5,335.0	-682.2	Gothic			
5,476.4	5,358.0	-705.2	Gothic LSW			
5,506.5	5,366.0	-713.2	DC-IA			
5,506.5	5,366.0	-713.2	DC-IB			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
4,994.0	4,994.0	0.0	0.0	KOP;4994' MD
5,594.0	5,376.0	324.0	-202.3	EOB;5594' MD & 5376' TVD
7,741.9	5,376.0	341.0	-212.9	TD at 7741.9' MD

-63-

Attachment No. 3



TYPICAL WORKOVER BOP STACK

Figure 30

Sundry Number: 43465 API Well Number: 43037315930000

McElm and Richert Water wells

Well No.	DWP No.	WJF # 1996	WJF # 1997	Sec-Twp-Rg	GPS Coordinates		East (1996)	North (1996)	Appl #	Completed	Comments
McElm											
1-PIT	PIT	95-628	97-223	18-41S-25E			659500	4123100			Abandoned
2	12-0715	95-630	97-201	17-41S-25E	37° 13 226 N	109° 12 247 N	659410	4120950	29718 A3777	6/14/61	
3	12-0716	95-631	97-202	17-41S-25E	37° 13 196 N	019° 12 187 N	659580	4120480	29718 A3777	10/3/61	
4	12-0717	95-632	97-203	17-41S-25E	37° 13 166 N	019° 12 147 N	659560	4120520	29718 A3777	10/17/61	
5	12-0718	95-633	97-204	17-41S-25E	37° 13 132 N	019° 12 098 N	659630	4120460	29718 A3777	10/19/61	
6	12-0719	95-634	97-205	17-41S-25E	37° 13 098 N	019° 12 053 N	659690	4120890	31023 A3777	4/26/62	
7	12-0720	95-612	97-206	17-41S-25E	37° 13 056 N	019° 12 032 N	659725	4120325	31023 A3777	4/30/62	
8	12-0721	95-613	97-207	17-41S-25E	37° 13 023 N	019° 12 986 N	659800	4120265	31023 A3777	5/4/62	
9	12-0722	95-614	97-208	17-41S-25E	37° 13 010 N	109° 11 932 N	659880	4120230	31023 A3777	5/6/62	
10	12-0723	95-615	97-209	17-41S-25E	37° 12 995 N	109° 11 895 N	659960	4120220	31023 A3777	5/12/62	
11	12-0724	95-616	97-210	17-41S-25E	37° 12 963 N	109° 11 803 N	660060	4120210	29718 A31023	11/28/62	
12	12-0725	95-617	97-211	17-41S-25E	37° 13 028 N	109° 11 765 N	660125	4120270	29718 A3777	12/6/62	Not in Service no pump
13	12-0726	95-618	97-212	18-41S-25E	37° 13 432 N	109° 12 415 N	659145	4121010	29718 A31023	12/9/62	
14	12-0727	95-619	97-213	18-41S-25E	37° 13 436 N	109° 12 473 N	659045	4121010	A-31023	12/12/62	
15	12-0728	95-620	97-214	17-41S-25E	37° 13 404 N	109° 12 365 N	659230	4120950	A-31023	12/28/62	
16	12-0729	95-621	97-215	17-41S-25E	37° 13 361 N	109° 12 341 N	659355	4120870	A-31023	1/8/63	
17	12-0730	95-622	97-216	17-41S-25E	37° 13 312 N	109° 12 325 N	659265	4120785	A-31023	1/12/63	
18	12-0731	95-623	97-217	17-41S-25E	37° 13 027 N	109° 12 894 N	659840	4120270	29718 A3777	4/5/63	
19	12-0732	95-624	97-218	17-41S-25E	37° 13 002 N	109° 12 907 N	659925	4120730	29718 A3777	4/10/63	
20	12-0733	95-625	97-219	17-41S-25E	37° 13 062 N	109° 12 994 N	659780	4120335	29718 A3777	4/17/63	
21	12-0734	95-626	97-220	17-41S-25E	37° 13 013 N	109° 12 965 N	659635	4120240	29718 A3777	4/19/63	
22	12-0735	95-627	97-221	17-41S-25E	37° 13 030 N	109° 12 016 N	659750	4120278	A3777, 29718	4/22/63	Community
O-24	12-0736	95-628	97-222	17-41S-25E	37° 13 475 N	109° 12 504 N	659815	4120300		3/14/64	former oil well. MCJ O-24, 13-3/8" surf 8-5/8" prod. csigs 1200' deep, out of service since 1975, needs P&A

Sundry Number: 43465 API Well Number: 43037315930000

Mining and Remedial Water Wells

Well No.	DWP No.	WUP # 1996	WUP # 1997	Sec-Twp-Rg	GPS Coordinates		East (1996)	North (1996)	Appl #	Completed	Comments
Rutherford											
1	09-0614	96-496	97-224	5-41S-24E	37° 15.333' N	109° 17.603' W	665740	4124380	32-773	11/21/01	
2	09-0615	96-497	97-225	5-41S-24E	37° 15.330' N	109° 17.565' W	665660	4124380	32-773	11/25/01	
3	09-0616	96-498	97-226	5-41S-24E	37° 15.332' N	109° 17.928' W	665380	4124380	32-733	12/2/01	
4	09-0617	96-499	97-227	5-41S-24E	37° 15.331' N	109° 17.900' W	665470	4124380	32-733	12/3/02	
5	09-0618	96-500	97-228	5-41S-24E	37° 15.335' N	109° 17.635' W	665650	4124380	32-733	12/11/02	
6	09-0619	96-501	97-228	5-41S-24E	37° 15.349' N	109° 17.776' W	665640	4124380	32-733	12/26/02	
7	09-0620	96-502	97-230	5-41S-24E	37° 15.353' N	109° 17.750' W	665600	4124380	32-733	12/15/02	
8	09-0621	96-503	97-231	5-41S-24E	37° 15.355' N	109° 17.720' W	665640	4124380	32-733	12/21/02	
9	09-0622	96-502	97-232	5-41S-24E	37° 15.360' N	109° 17.660' W	665120	4124400	32-733	12/27/02	
10	09-0623	96-504	97-233	5-41S-24E	37° 15.364' N	109° 17.650' W	665205	4124425	32-733	1/2/03	
11	09-0624	96-505	97-234	5-41S-24E	37° 15.365' N	109° 17.627' W	665290	4124430	32-733	1/5/03	
13	09-0625	96-506	97-235	5-41S-24E	37° 15.364' N	109° 17.545' W	665470	4124430	32-733	1/5/03	
14	09-0626	96-507	97-236	5-41S-24E	37° 15.367' N	109° 17.590' W	665560	4124430	32-733	1/18/03	
15	09-0627	96-508	97-237	5-41S-24E	37° 15.368' N	109° 17.464' W	665640	4124430	32-733	2/3/03	
16	09-0628	96-509	97-238	5-41S-24E	37° 15.373' N	109° 17.421' W	665760	4124460	32-733	2/4/03	
17	09-0629	96-510	97-239	5-41S-24E	37° 15.374' N	109° 17.381' W	665840	4124480	32-733	2/6/03	
14-33	09-0642	96-511	97-240	5-41S-24E	37° 15.389' N	109° 17.568' W	665850	4119050			Water well abandoned 05-01-1996. Cut & Capped

Summary		35	operated wells								
		2	not prod	96-528	96-517						
		1	aband	96-528	96-511						
		1	NTU	96-527							
		40	Total Wells in listed in RCMA-55-06, WUP 96-496 to 96-628 & 96-202								

Additional Unlisted Wells at Rutherford			Sec-Twp-Rg	GPS Coordinates		East	North	Appl #	Completed	Comments
19			5-41S-24E	37° 15.217' N	109° 16.769' W			32-773	4/23/04	In service
20			5-41S-24E	37° 15.220' N	109° 16.888' W			32-773	4/14/04	In Service
22			5-41S-24E	37° 15.219' N	109° 16.832' W			32-773		Operable but has power problems
23			5-41S-24E	37° 15.226' N	109° 17.014' W			32-773	4/20/04	Operable but has power problems
		4	Additional unlisted wells							

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/07/2013

API NO. ASSIGNED: 43-037-31593

WELL NAME: RATHERFORD 24-32

OPERATOR: RESOLUTE NATURAL (N2700)

CONTACT: SHERRY GLASS

PHONE NUMBER: 303-573-4886

PROPOSED LOCATION:

SWNE 24 410S 230E

SURFACE: 2128 FNL 1844 FEL

BOTTOM: 2128 FNL 1844 FEL

COUNTY: SAN JUAN

LATITUDE: 37.21090 LONGITUDE: -109.33864

UTM SURF EASTINGS: 647417 NORTHINGS: 4119561

FIELD NAME: GREATER ANETH (365)

INSPECT LOCATN BY: / /

Tech Review

Initials

Date

Engineering

Geology

Surface

LEASE TYPE: 2 - Indian

LEASE NUMBER: 14-20-603-247A

SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: DSCR

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond: Fed[] Ind[2] Sta[] Fee[]
(No. PA002769)

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit
(No. 09-0614)

☒ RDCC Review (Y/N)
(Date:)

☒ Fee Surf Agreement (Y/N)

☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

 R649-2-3.

Unit: RATHERFORD

 R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

 R649-3-3. Exception

☒ Drilling Unit

Board Cause No: 152-6

Eff Date: 7-6-1998

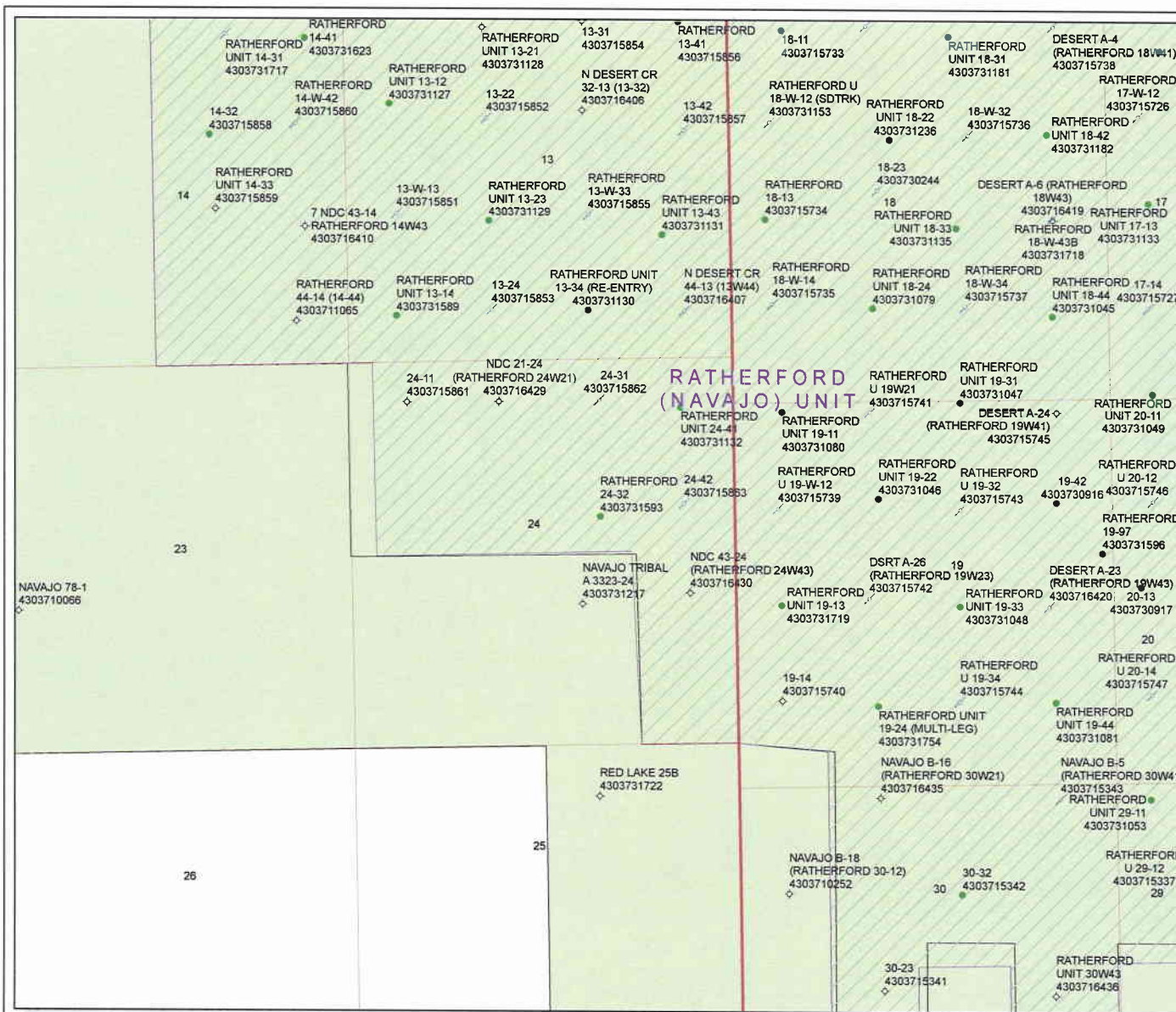
Siting: Suspends General Siting

 R649-3-11. Directional Drill

COMMENTS: _____

STIPULATIONS: _____

Seal Approval



API Number: 4303731593

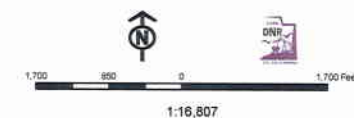
Well Name: RATHERFORD 24-32

Township: T41.0S Range: R23.0E Section: 24 Meridian: S

Operator: RESOLUTE NATURAL RESOURCES

Map Prepared: 10/8/2013
Map Produced by Diana Mason

Wells Query Status	Units STATUS
APD - Approved Permit	ACTIVE
DRL - Spudded (Drilling Commenced)	EXPLORATORY
GIW - Gas Injection	GAS STORAGE
GS - Gas Storage	NP PP OIL
LOC - New Location	NP SECONDARY
OPS - Operation Suspended	P OIL
PA - Plugged Abandoned	PP GAS
POW - Producing Gas Well	PP GEOTHERMAL
POW - Producing Oil Well	PP OIL
SOW - Shut-in Gas Well	SECONDARY
SOW - Shut-in Oil Well	TERMINATED
TA - Temp. Abandoned	
TW - Test Well	
WDW - Water Disposal	
WW - Water Injection Well	
WSW - Water Supply Well	





GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

October 9, 2013

Resolute Natural Resources
1675 Broadway, Ste 1950
Denver, CO 80202

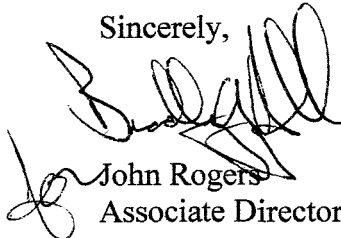
Subject: Ratherford 24-32 Well, 2128' FNL, 1844' FEL, SW NE, Sec. 24, T. 41 South, R. 23
East, San Juan County, Utah

Ladies and Gentlemen:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause: 152-6. The expected producing formation or pool is the Desert Creek Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-037-31593.

Sincerely,



John Rogers
Associate Director

JR/BGH/js
Enclosures

cc: San Juan County Assessor
Bureau of Land Management, Monticello Office

Operator: Resolute Natural Resources
Well Name & Number Ratherford 24-32
API Number: 43-037-31593
Lease: 14-20-603-247A

Location: SW NE **Sec.** 24 **T.** 41 South **R.** 23 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please let a voicemail message if not available)

OR

Submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office
(801) 733-0983 after office hours

3. Reporting Requirements

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED: 11/12/2013		TEST DATE: 11/13/2013		HOURS TESTED: 24		TEST PRODUCTION RATES: →		OIL - BBL: 55		GAS - MCF: 408		WATER - BBL: 898		PROD. METHOD: flowing	
CHOKE SIZE:	TBG. PRESS. 450	CSG. PRESS. 32	API GRAVITY 42.00	BTU - GAS	GAS/OIL RATIO 1,034	24 HR PRODUCTION RATES: →	OIL - BBL: 55	GAS - MCF: 408	WATER - BBL: 898	INTERVAL STATUS: producing					

INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL C (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL D (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

sold-Anadarko pipeline

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Desert Creek IB	5,376			Upper Ismay Lower Ismay Gothic Shale Desert Creek IA Desert Creek IB	5,181 5,272 5,335 5,366 5,376

35. ADDITIONAL REMARKS (Include plugging procedure)

Did not acid-treat well bore, well started flowing/flaring while drilling horizontal, producing open hole with original perforations.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Sherry Glass

TITLE Sr Regulatory Technician

SIGNATURE



DATE 11/27/2013 CORR 2-7-14

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940



Resolute Natural Resources

San Juan County, UT (Nad 83)

Sec 24, T41S, R23E

RU 24-32H

Hz-1332

UWI:

WL:

Survey: Final

Standard Survey Report

29 October, 2013





Project: San Juan County, UT (Nad 83)
Site: Sec 24, T41S, R23E
Well: RU 24-32H
Wellbore: Hz-1332
Plan: Final



Azimuths to True North
Magnetic North: 10.33°

Magnetic Field
Strength: 50573.5snT
Dip Angle: 63.51°
Date: 10/2/2013
Model: IGRF2010

Well Centre Reference

Geodetic System: US State Plane 1983
Ellipsoid: GRS 1980
Zone: Utah Southern Zone
Northing: 10047952.03
Easting: 2269804.23
Latitude: 37° 12' 39.369 N
Longitude: 109° 20' 19.060 W
Grid Convergence: 1.32° West
Ground Elevation: 4638.0
KB Elevation: RKB @ 4654.0usft (D&J #1)

Formation Tops

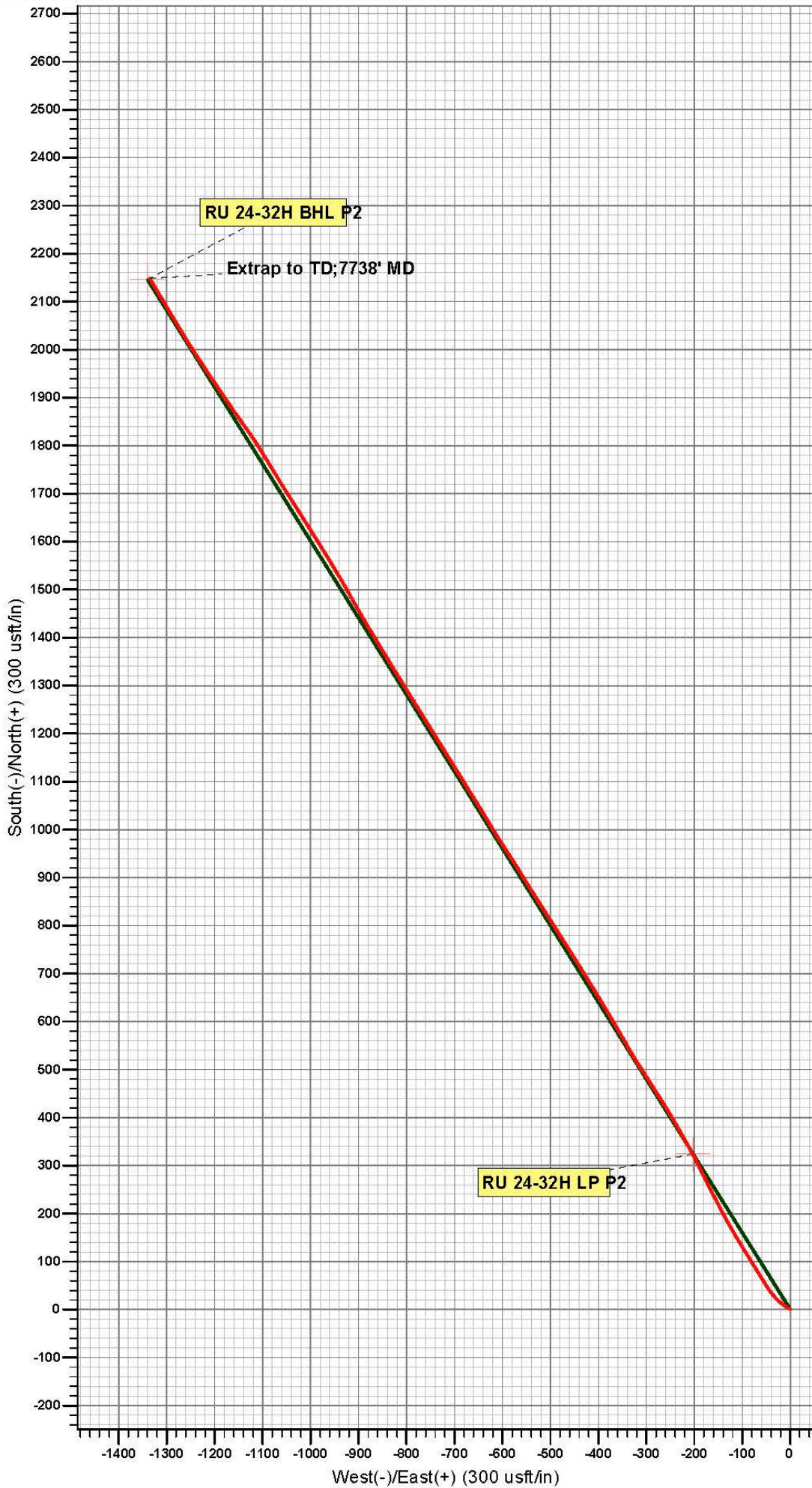
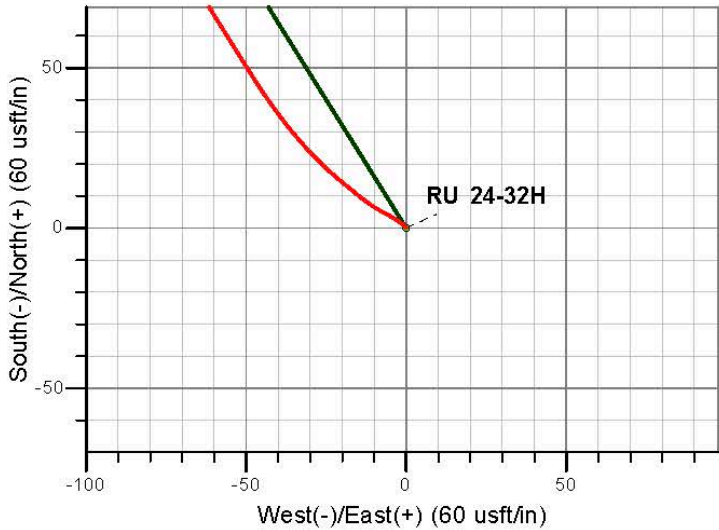
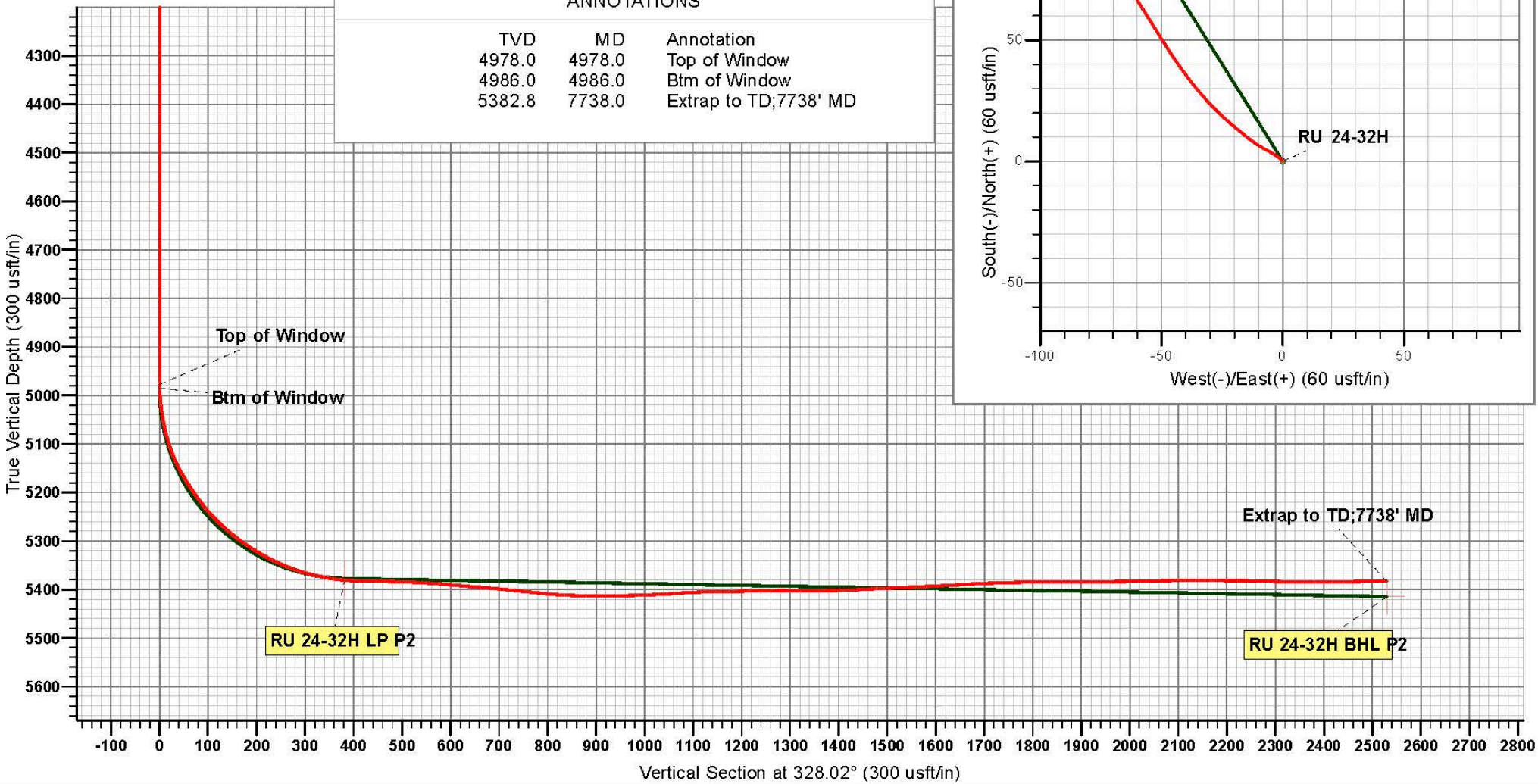
No formation data is available

PLAN DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	1.2	0.00	0.00	1.2	0.0	0.0	0.00	0.00	0.0	
2	4988.5	0.00	0.00	4988.5	0.0	0.0	0.00	0.00	0.0	
3	5592.4	89.00	328.02	5377.2	324.0	-202.3	14.74	328.02	382.0	RU 24-32H LP P2
4	5612.4	89.00	328.02	5377.5	341.0	-212.9	0.00	0.00	402.0	
5	7740.6	89.00	328.03	5414.6	2146.0	-1339.8	0.00	125.31	2529.9	RU 24-32H BHL P2

ANNOTATIONS

TVD	MD	Annotation
4978.0	4978.0	Top of Window
4986.0	4986.0	Btm of Window
5382.8	7738.0	Extrap to TD;7738' MD



Company:	Resolute Natural Resources	Local Co-ordinate Reference:	Well RU 24-32H
Project:	San Juan County, UT (Nad 83)	TVD Reference:	RKB @ 4654.0usft (D&J #1)
Site:	Sec 24, T41S, R23E	MD Reference:	RKB @ 4654.0usft (D&J #1)
Well:	RU 24-32H	North Reference:	True
Wellbore:	Hz-1332	Survey Calculation Method:	Minimum Curvature
Design:	Final	Database:	EDM 5000.1 Single User Db

Project	San Juan County, UT (Nad 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Southern Zone		Using geodetic scale factor

Site	Sec 24, T41S, R23E		
Site Position:		Northing:	10,047,952.03 usft
From:	Lat/Long	Easting:	2,269,804.23 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	37° 12' 39.369 N
		Longitude:	109° 20' 19.060 W
		Grid Convergence:	1.32 °

Well	RU 24-32H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft		Wellhead Elevation:
			Latitude:
			Longitude:
			Ground Level:

Wellbore	Hz-1332				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/2/2013	10.33	63.51	50,574

Design	Final				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	328.02	

Survey Program	Date	10/29/2013			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
4,978.0	7,738.0	Final (Hz-1332)	MWD	MWD - Standard	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	-4,654.0	0.0	0.0	0.0	0.00	0.00	0.00
Top of Window										
4,978.0	0.00	0.00	4,978.0	324.0	0.0	0.0	0.0	0.00	0.00	0.00
Btm of Window										
4,986.0	2.30	328.02	4,986.0	332.0	0.1	-0.1	0.2	28.75	28.75	0.00
5,025.0	8.30	303.70	5,024.8	370.8	2.4	-2.8	3.5	16.09	15.38	-62.36
5,056.0	12.50	298.00	5,055.3	401.3	5.2	-7.7	8.5	13.93	13.55	-18.39
5,087.0	15.70	308.20	5,085.4	431.4	9.4	-13.9	15.3	13.03	10.32	32.90
5,118.0	21.00	310.20	5,114.8	460.8	15.5	-21.5	24.6	17.21	17.10	6.45
5,148.0	26.20	316.50	5,142.3	488.3	23.8	-30.1	36.2	19.24	17.33	21.00

Company:	Resolute Natural Resources	Local Co-ordinate Reference:	Well RU 24-32H
Project:	San Juan County, UT (Nad 83)	TVD Reference:	RKB @ 4654.0usft (D&J #1)
Site:	Sec 24, T41S, R23E	MD Reference:	RKB @ 4654.0usft (D&J #1)
Well:	RU 24-32H	North Reference:	True
Wellbore:	HZ-1332	Survey Calculation Method:	Minimum Curvature
Design:	Final	Database:	EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,179.0	31.00	323.30	5,169.5	515.5	35.2	-39.6	50.8	18.69	15.48	21.94
5,210.0	33.90	327.70	5,195.6	541.6	48.9	-49.0	67.4	12.06	9.35	14.19
5,241.0	37.50	328.10	5,220.8	566.8	64.2	-58.6	85.5	11.64	11.61	1.29
5,272.0	42.10	327.80	5,244.6	590.6	81.0	-69.2	105.4	14.85	14.84	-0.97
5,304.0	47.30	328.60	5,267.4	613.4	100.2	-81.0	127.9	16.34	16.25	2.50
5,331.0	50.90	328.00	5,285.0	631.0	117.5	-91.7	148.3	13.44	13.33	-2.22
5,361.0	54.60	328.50	5,303.2	649.2	137.8	-104.3	172.2	12.40	12.33	1.67
5,392.0	58.90	329.90	5,320.2	666.2	160.1	-117.6	198.1	14.38	13.87	4.52
5,424.0	62.60	330.70	5,335.8	681.8	184.3	-131.4	226.0	11.77	11.56	2.50
5,455.0	66.70	332.00	5,349.1	695.1	208.9	-144.8	253.9	13.76	13.23	4.19
5,486.0	70.90	332.80	5,360.3	706.3	234.5	-158.2	282.7	13.76	13.55	2.58
5,518.0	76.50	333.50	5,369.3	715.3	261.9	-172.1	313.3	17.63	17.50	2.19
5,549.0	79.90	333.10	5,375.6	721.6	289.0	-185.7	343.5	11.04	10.97	-1.29
5,581.0	83.70	332.50	5,380.2	726.2	317.2	-200.2	375.1	12.02	11.88	-1.88
5,612.0	88.40	331.40	5,382.3	728.3	344.5	-214.7	405.9	15.57	15.16	-3.55
5,643.0	89.80	330.50	5,382.8	728.8	371.8	-229.8	436.9	5.37	4.52	-2.90
5,674.0	88.60	328.90	5,383.2	729.2	398.3	-245.4	467.9	6.45	-3.87	-5.16
5,705.0	87.90	328.00	5,384.2	730.2	424.7	-261.6	498.8	3.68	-2.26	-2.90
5,736.0	87.20	327.70	5,385.5	731.5	451.0	-278.1	529.8	2.46	-2.26	-0.97
5,767.0	86.50	327.10	5,387.2	733.2	477.0	-294.8	560.8	2.97	-2.26	-1.94
5,798.0	84.90	327.50	5,389.5	735.5	503.0	-311.5	591.7	5.32	-5.16	1.29
5,827.0	84.80	328.70	5,392.1	738.1	527.8	-326.7	620.5	4.14	-0.34	4.14
5,859.0	85.90	330.30	5,394.7	740.7	555.0	-342.9	652.4	6.05	3.44	5.00
5,891.0	84.90	330.20	5,397.3	743.3	582.7	-358.7	684.3	3.14	-3.13	-0.31
5,922.0	84.00	328.80	5,400.3	746.3	609.3	-374.4	715.1	5.35	-2.90	-4.52
5,951.0	84.00	329.40	5,403.3	749.3	634.1	-389.2	744.0	2.06	0.00	2.07
5,982.0	84.30	328.20	5,406.5	752.5	660.4	-405.2	774.8	3.97	0.97	-3.87
6,014.0	85.30	328.50	5,409.4	755.4	687.6	-421.9	806.7	3.26	3.13	0.94
6,045.0	87.00	328.20	5,411.5	757.5	713.9	-438.1	837.6	5.57	5.48	-0.97
6,075.0	88.40	327.80	5,412.7	758.7	739.3	-454.0	867.6	4.85	4.67	-1.33
6,106.0	89.50	327.40	5,413.2	759.2	765.5	-470.6	898.6	3.78	3.55	-1.29
6,137.0	91.50	327.80	5,413.0	759.0	791.7	-487.2	929.6	6.58	6.45	1.29
6,168.0	91.40	327.30	5,412.2	758.2	817.8	-503.9	960.6	1.84	-0.32	-1.61
6,198.0	91.40	327.50	5,411.5	757.5	843.1	-520.0	990.6	0.67	0.00	0.67
6,229.0	91.90	327.40	5,410.6	756.6	869.2	-536.7	1,021.5	1.64	1.61	-0.32
6,261.0	94.00	328.10	5,408.9	754.9	896.2	-553.8	1,053.5	6.92	6.56	2.19
6,292.0	93.90	328.10	5,406.8	752.8	922.5	-570.1	1,084.4	0.32	-0.32	0.00
6,323.0	91.50	327.30	5,405.3	751.3	948.7	-586.6	1,115.4	8.16	-7.74	-2.58
6,354.0	90.10	327.20	5,404.9	750.9	974.7	-603.4	1,146.4	4.53	-4.52	-0.32
6,386.0	91.50	328.70	5,404.4	750.4	1,001.8	-620.4	1,178.4	6.41	4.38	4.69
6,416.0	92.20	328.80	5,403.5	749.5	1,027.5	-635.9	1,208.4	2.36	2.33	0.33
6,448.0	90.90	328.00	5,402.6	748.6	1,054.7	-652.7	1,240.3	4.77	-4.06	-2.50
6,479.0	90.10	328.00	5,402.3	748.3	1,081.0	-669.1	1,271.3	2.58	-2.58	0.00

Company:	Resolute Natural Resources	Local Co-ordinate Reference:	Well RU 24-32H
Project:	San Juan County, UT (Nad 83)	TVD Reference:	RKB @ 4654.0usft (D&J #1)
Site:	Sec 24, T41S, R23E	MD Reference:	RKB @ 4654.0usft (D&J #1)
Well:	RU 24-32H	North Reference:	True
Wellbore:	HZ-1332	Survey Calculation Method:	Minimum Curvature
Design:	Final	Database:	EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,509.0	90.00	328.40	5,402.3	748.3	1,106.5	-684.9	1,301.3	1.37	-0.33	1.33
6,541.0	89.90	328.10	5,402.3	748.3	1,133.7	-701.8	1,333.3	0.99	-0.31	-0.94
6,572.0	89.70	328.30	5,402.4	748.4	1,160.1	-718.1	1,364.3	0.91	-0.65	0.65
6,604.0	91.60	328.10	5,402.1	748.1	1,187.3	-735.0	1,396.3	5.97	5.94	-0.63
6,635.0	93.10	328.10	5,400.8	746.8	1,213.6	-751.3	1,427.3	4.84	4.84	0.00
6,666.0	92.70	328.10	5,399.2	745.2	1,239.8	-767.7	1,458.3	1.29	-1.29	0.00
6,697.0	92.30	328.10	5,397.9	743.9	1,266.1	-784.1	1,489.2	1.29	-1.29	0.00
6,728.0	92.10	327.90	5,396.7	742.7	1,292.4	-800.5	1,520.2	0.91	-0.65	-0.65
6,759.0	92.60	328.50	5,395.4	741.4	1,318.7	-816.8	1,551.2	2.52	1.61	1.94
6,790.0	93.40	328.80	5,393.8	739.8	1,345.2	-832.9	1,582.1	2.76	2.58	0.97
6,821.0	93.40	329.00	5,392.0	738.0	1,371.7	-848.9	1,613.1	0.64	0.00	0.65
6,853.0	93.50	328.80	5,390.0	736.0	1,399.0	-865.4	1,645.0	0.70	0.31	-0.63
6,884.0	92.50	328.50	5,388.4	734.4	1,425.4	-881.5	1,676.0	3.37	-3.23	-0.97
6,915.0	91.60	330.20	5,387.3	733.3	1,452.1	-897.3	1,706.9	6.20	-2.90	5.48
6,946.0	92.10	330.60	5,386.3	732.3	1,479.0	-912.6	1,737.9	2.07	1.61	1.29
6,978.0	92.10	330.50	5,385.1	731.1	1,506.9	-928.3	1,769.9	0.31	0.00	-0.31
7,009.0	90.80	329.00	5,384.4	730.4	1,533.7	-943.9	1,800.8	6.40	-4.19	-4.84
7,040.0	89.50	328.30	5,384.3	730.3	1,560.1	-960.1	1,831.8	4.76	-4.19	-2.26
7,071.0	89.50	328.40	5,384.5	730.5	1,586.5	-976.3	1,862.8	0.32	0.00	0.32
7,103.0	90.30	327.90	5,384.6	730.6	1,613.7	-993.2	1,894.8	2.95	2.50	-1.56
7,134.0	90.80	327.30	5,384.3	730.3	1,639.9	-1,009.8	1,925.8	2.52	1.61	-1.94
7,165.0	90.90	327.40	5,383.8	729.8	1,666.0	-1,026.5	1,956.8	0.46	0.32	0.32
7,194.0	90.90	327.70	5,383.4	729.4	1,690.4	-1,042.1	1,985.8	1.03	0.00	1.03
7,225.0	90.80	328.20	5,382.9	728.9	1,716.7	-1,058.6	2,016.8	1.64	-0.32	1.61
7,256.0	91.20	328.50	5,382.4	728.4	1,743.1	-1,074.8	2,047.8	1.61	1.29	0.97
7,286.0	91.40	328.80	5,381.7	727.7	1,768.7	-1,090.4	2,077.8	1.20	0.67	1.00
7,317.0	90.80	327.80	5,381.1	727.1	1,795.1	-1,106.7	2,108.8	3.76	-1.94	-3.23
7,349.0	89.30	324.80	5,381.1	727.1	1,821.7	-1,124.5	2,140.8	10.48	-4.69	-9.38
7,380.0	89.30	324.90	5,381.5	727.5	1,847.0	-1,142.3	2,171.7	0.32	0.00	0.32
7,411.0	89.50	325.50	5,381.8	727.8	1,872.5	-1,160.0	2,202.7	2.04	0.65	1.94
7,443.0	89.80	325.50	5,382.0	728.0	1,898.9	-1,178.1	2,234.6	0.94	0.94	0.00
7,474.0	88.50	325.80	5,382.4	728.4	1,924.5	-1,195.6	2,265.6	4.30	-4.19	0.97
7,505.0	88.30	326.50	5,383.3	729.3	1,950.2	-1,212.9	2,296.6	2.35	-0.65	2.26
7,536.0	88.20	326.50	5,384.2	730.2	1,976.0	-1,230.0	2,327.6	0.32	-0.32	0.00
7,568.0	89.40	327.40	5,384.9	730.9	2,002.8	-1,247.4	2,359.5	4.69	3.75	2.81
7,596.0	90.40	328.70	5,385.0	731.0	2,028.6	-1,262.2	2,387.5	5.86	3.57	4.64
7,626.0	90.80	328.90	5,384.7	730.7	2,052.3	-1,277.8	2,417.5	1.49	1.33	0.67
7,658.0	91.30	329.10	5,384.1	730.1	2,079.7	-1,294.3	2,449.5	1.68	1.56	0.63
7,689.0	90.90	329.40	5,383.5	729.5	2,106.3	-1,310.1	2,480.5	1.61	-1.29	0.97
7,696.0	90.80	328.90	5,383.4	729.4	2,112.3	-1,313.7	2,487.5	7.28	-1.43	-7.14
Extrap to TD;7738' MD										
7,738.0	90.80	328.90	5,382.8	728.8	2,148.3	-1,335.4	2,529.5	0.00	0.00	0.00

Company:	Resolute Natural Resources	Local Co-ordinate Reference:	Well RU 24-32H
Project:	San Juan County, UT (Nad 83)	TVD Reference:	RKB @ 4654.0usft (D&J #1)
Site:	Sec 24, T41S, R23E	MD Reference:	RKB @ 4654.0usft (D&J #1)
Well:	RU 24-32H	North Reference:	True
Wellbore:	Hz-1332	Survey Calculation Method:	Minimum Curvature
Design:	Final	Database:	EDM 5000.1 Single User Db

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
RU 24-32H LP P2	0.00	0.00	5,377.2	324.0	-202.3	10,048,271.27	2,269,594.50	37° 12' 42.572 N	109° 20' 21.561 W
- survey misses target center by 3.9usft at 5587.8usft MD (5380.9 TVD, 323.2 N, -203.3 E)									
- Point									
RU 24-32H BHL P2	0.00	0.00	5,414.6	2,146.0	-1,339.8	10,050,066.50	2,268,415.19	37° 13' 0.586 N	109° 20' 35.623 W
- survey misses target center by 32.2usft at 7737.9usft MD (5382.8 TVD, 2148.2 N, -1335.3 E)									
- Point									

Survey Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S (usft)	+E/-W (usft)	
4,978.0	4,978.0	0.0	0.0	Top of Window
4,986.0	4,986.0	0.1	-0.1	Btm of Window
7,738.0	5,382.8	2,148.3	-1,335.4	Extrap to TD; 7738' MD

Checked By: _____ Approved By: _____ Date: _____



Daily Activity Summary

Well Name: Ratherford U 2432

API Number 4303731593	Section 24	Township 41S	Range 23E	Field Name Ratherford	County San Juan	State/Province Utah
Ground Elevation (ft) 4,642.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 16.00	KB-Casing Flange Distance (ft)	Regulatory Spud Date 2/28/1991 00:00	Rig Release Date/Time 4/9/1991 00:00	

Job Category Drilling	Primary Job Type Drilling - re-entry	Secondary Job Type
Start Date 10/1/2013	End Date	Total AFE Amount (Cost)

Objective
Well will be sidetracked out of the existing 7" casing where an ~ 2,500' 6-1/8" lateral will be drilled.

Contractor D&J Drilling	Rig Number 1	Rig on Report Date 10/9/2013	Rig off report date 10/31/2013
Contractor Key	Rig Number #26	Rig on Report Date 11/4/2013	Rig off report date 11/8/2013

Report Number	Start Date	End Date	Summary
1	9/25/2013	9/25/2013	Drove to location, took pump jack apart, loaded it, took to AU yard and dropped off
2	9/26/2013	9/26/2013	Haul loader to Ismay pit for RU 24-32H
3	9/27/2013	9/27/2013	Level groun on RU 24-32H
4	9/28/2013	9/28/2013	Haul & load pit run @ RU 24-32H
5	9/29/2013	9/29/2013	Haul & load pit run @ RU 24-32H
6	9/30/2013	9/30/2013	Haul & load pit run @ RU 24-32H
7	10/1/2013	10/1/2013	Road rig to loc. spot in RU WSU TOOHD LD 9 jts of got stuck back off and LD rods NU BOP TAC would not release.
8	10/2/2013	10/2/2013	Open well, free point and cut tbg. PU overshot, latch on to fish, try to release it but would not go anywhere.
9	10/3/2013	10/3/2013	TOOH stand back tbg D/C's PU wash over pipes and TIH D/C's & tbg from derrick bottom out inside wash over shoe no fill TOOHD stand tbg & D/C's PU over shot TIH w/ tbg derrick tag & latch @ 4,997' RD wire line RIN cut tbg @ 5,124' RD MO W/L TOOHD LD 127' Tbg and over shot TIH 6 jts of wash over 6 D/C's 148 jt tag fill @ 5,213'
10	10/4/2013	10/4/2013	Pump & circ, wash over fish and TAC
11	10/5/2013	10/5/2013	Pump & circ, open & circ, open well start eash over from 5,219'
12	10/6/2013	10/6/2013	Continue milling and wash over from 5,227' to 5247' on top of TAC clean out fill to release TAC recover fish out
13	10/7/2013	10/7/2013	TOOH w/ tbg & D/C's LD wash pipes, PU 7" B/S tag TOF @ 5123' TOOHD LD all work string RU Blue Jet logged from 5,100' to surface sent results to J.Ray got RBP set @ 4,490'
14	10/8/2013	10/8/2013	TIH w/ retrieving head to 4,490 recovered W/L RBP out, RU W/L RIH CBL to 5,100' to 4,050' sent in CBL result in RIH set RBP @ 4,990' w/ 5' sand on top, Test W FW PSI to 600 # psi for 20 mins tested good TOOHD LD 148 jts, PU 7" RBP set @ 318.25 from surface tested to 500 # tested good
15	10/9/2013	10/9/2013	LD tbg PU & set 7" RBP @ 318.25 from surface tested good @ 500 # psi for 15 mins RD Floor, ND BOP, CO B-section well head
16	10/9/2013	10/10/2013	Rig Move, Put Cellar in, set one anchor, Rig up, Nipple up. Test BOPE and Choke manifold.
17	10/10/2013	10/11/2013	Testing BOPE, choke manifold, annular, 7" casing, RU, PU tools to retrieve 7" RBP, set @ 318'. TIH, retrieve 7" RBP. TOOHD LD RBP, MU PU 6-1/8" Tri-Cone. TIH w/3-1/2" HWTP and 3-1/2" DP. Circulate hole, run polymer sweep. Tagged RBP @ 4992'. TOOHD, MU PU 7" whipstock UBHO sub, TIH.
18	10/11/2013	10/12/2013	TIH W/ Whipstock, Gyro & Orientate Whipstock T/328 DEG, Set Whipstock Top 4979' BTM 4987', Mill Window F/4987' T/4994', TOOHD.
19	10/12/2013	10/13/2013	TOOH, M/U P/U Directional tools, TIH, Gyro, Directional drill 6-1/8" hole Building Curve, F/4994' T/5129'. Note: Last Survey 5098' MD 15.75 INCL 308 AZ
20	10/13/2013	10/14/2013	Building 6-7/8" curve, slide F/5129' - T/5340'.
21	10/14/2013	10/15/2013	Troubleshoot Pason equipment, building 6-1/8" curve F/5340' T/5375'. Circulate and work on Pason equipment. Troubleshoot downhole mud motor problems. TOOHD, LD Monels & UBHO sub. (Twisted drill string off on top of mud motor.) WO fishing tools, PU fishing tools, TIH, circulate. Latch onto fish, TOOHD w/fish.
22	10/15/2013	10/16/2013	Finish TOOHD & LD fish, PU new 1.76" bend MM. MU bit #2 and orientate same. TIH T/5281, wash and ream F/5281' T/5375', dir. drl F/5375' - T/5490'.
23	10/16/2013	10/17/2013	Drig F/5490' T/5560', well flowing. SI well, pressure built to 2100 psi. Mix 400 bbls mud to 12.2#. Displace hole w/12.2# mud, returned back @ 11.2#. Flow check, well flowing 43 bbls/hr. SI well, mix 400 bbls mud to 13.2#. Displace hole w/13.2# mud, returned back @ 12.6#. Flow check, well flowing 13 bbls/hr. SI well, mix 400 bbls mud to 13#.
24	10/17/2013	10/18/2013	Shut in well, pressure build to 900 psi. Mix 400 bbls to MW13#, bleed well down. Open rams, circulate bottoms up @ SPR, 3' flare at bottoms up. Drig F/5560' T/5816'.
25	10/18/2013	10/19/2013	Drig, F/5560' T/5871', Shut in well f/pressure build to calculate top kill mud, Pressure build to 650 psi 1 1/2 hr, Bleed down well through choke, TOOHD to window, Well flowing 33 bbls/hr, Shut in well W/O water trucks W/18# top kill mud, Bleed down well through choke manifold, Pump 120 bbls 18# top kill mud, Well still flowing 1 bb/hr, Pump additional 30 bbl 18# top kill mud, No flow, TOOHD T/2800', Flow check no flow, Continue TOOHD T/1639', Flow check, Well flowing .3 bbls/hr, Mix 80 bbls 18# top kill mud, Pump 80 bbls 18# top kill mud, No flow, Continue TOOHD F/1639', L/D motor & bit, TIH W/new 1.83" motor & PDC bit.



Daily Activity Summary

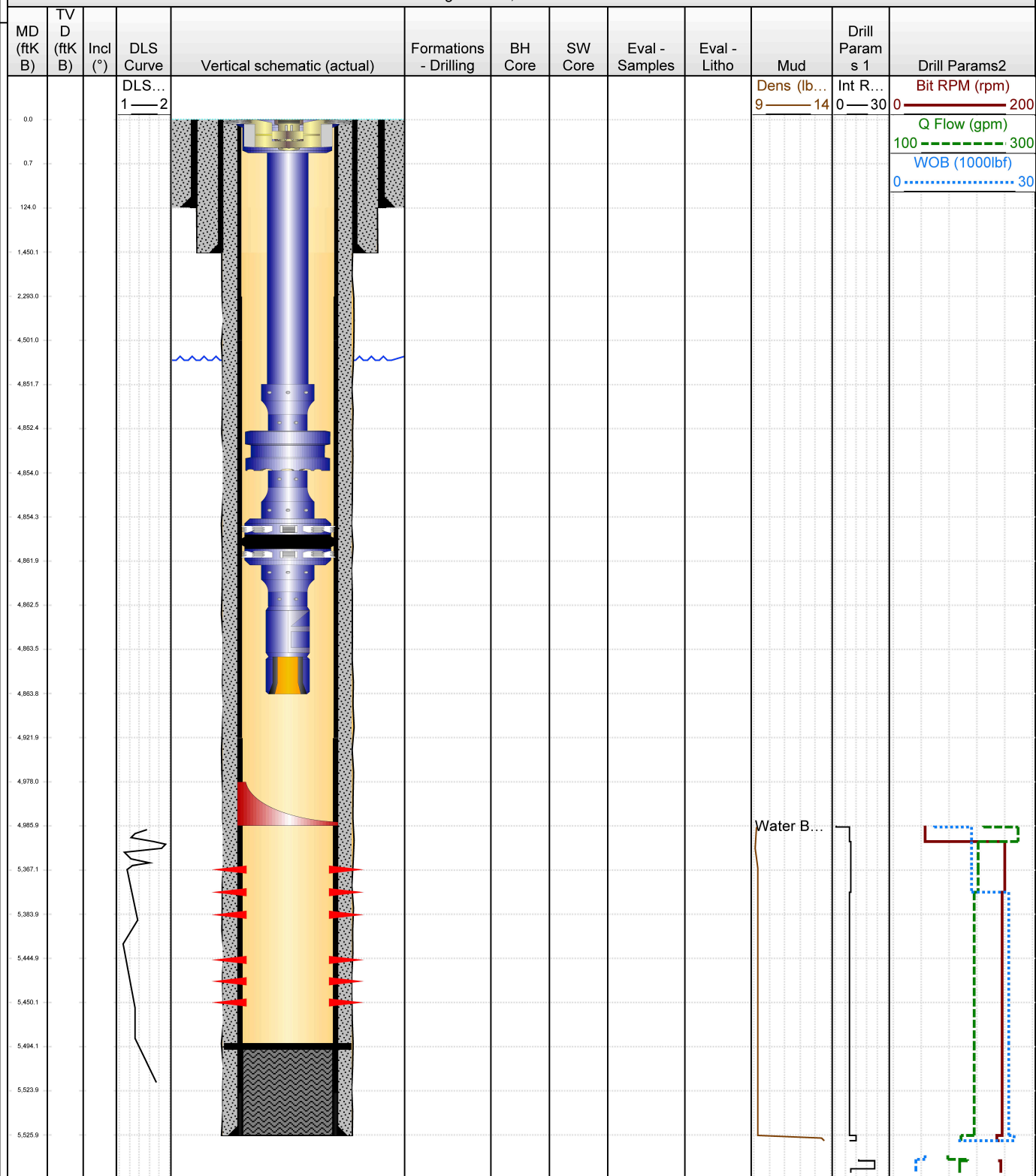
Well Name: Ratherford U 2432

API Number 4303731593	Section 24	Township 41S	Range 23E	Field Name Ratherford	County San Juan	State/Province Utah
Ground Elevation (ft) 4,642.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 16.00	KB-Casing Flange Distance (ft)	Regulatory Spud Date 2/28/1991 00:00	Rig Release Date/Time 4/9/1991 00:00	

Report Number	Start Date	End Date	Summary
26	10/19/2013	10/20/2013	TIH W/ 1.83 Deg 6-1/8" motor W/ 6-1/8" 5 Blade PDC Bit. P/U power swivel, MWD Surveys, Drill 6-1/8" directional hole section. F/5871' T/6047';
27	10/20/2013	10/21/2013	Drlg 6-1/8" directional hole section, rotating and sliding F/6047' T/6220'. Geologist wants to get to 92.0 DEG INCL. Mud wt 14.2 lb, VIS 46, PH 9.5. Added 1% Super L lube to mud system for tight hole, running polymer sweeps,
28	10/21/2013	10/22/2013	Drlg 6-1/8" directional hole section, rotating and sliding F/6220' T/6347'. Geologist wants to get back down to 90.0 deg incl. Sliding 50% ROP last 24 hours 5.5/FPH,
29	10/22/2013	10/23/2013	DRLG 6-1/8" Directional hole section, Rotating & Sliding F/6347' T/6407', Rop 5.0 FT per HR, Stopped drilling stalling out, Flow test 16 BBL HR, 1-1/2 hour shut in test 700 psi, TOOH to shoe Flow test still making 16 BBL hour, Pump 120 BBL 18.0lb top kill mud, TOOH, Survey MD 6354' INCL 90.1 AZ 327.2
30	10/23/2013	10/24/2013	TOOH, lay down 6-1/8" Hughes PDC bit & 1.83 deg motor. PU 6-1/8" Halliburton PDC bit and 1.83 deg motor. TIH, circulate hole, drlg 6-1/8" directional hole section F/6407' T/6475'.
31	10/24/2013	10/25/2013	Drlg 6-1/8" Directional hole section F/6475' T/6703'.
32	10/25/2013	10/26/2013	Drlg 6-1/8" directional hole section, F/6703' - T/6934'.
33	10/26/2013	10/27/2013	DRLG 6-1/8" Directional hole section, F/6934' T/6941', Circulate, TOOH to window, Shut in well, Pressure build T/1050 psi, Transfer 18# mud to rig pit, Displace hole with 18# mud, TOOH, L/D mud motor, P/U new bit & motor, TIH stage in @ 2388', 3667' & 5344', Tag @ 6754', L/D 5 jts, RIH last 2 stds from derrick, Circulate, Wash and ream F/6667' - T/6941', DRLG 6-1/8" Directional hole section, F/6941' - T/6975'.
34	10/27/2013	10/28/2013	DRLG 6-1/8" Directional hole section, F/6975' - T/7516'
35	10/28/2013	10/29/2013	Drlg 6-1/8" directional hole section F/7516' - T/7738' (TD), called by geologist.
36	10/29/2013	10/30/2013	Circulate pump sweeps, shut in well, pressure built to 800 psi. TOOH to 5282', pump 140 bbls 18# top kill mud. TOOH, LD directional tools. RU Blue Jet, run RBP and set @ 4860'. TIH, LDDP, TIH to 4860'. Displace hole w/10# brine water.
37	10/30/2013	10/31/2013	TOOH, lay down drill pipe, MU Hornet packer. TIH w/ 7" packer. TOOH, ND, RD, clean mud pits. Release Rig 10/31/2013 @ 06:00.
38	11/4/2013	11/4/2013	Move all equipment and service unit to location Rigged up
39	11/5/2013	11/5/2013	Nipple up BOP stack and test. Picked up 2 7/8 seamless tubing and recover RBP at 520 ft. Make up second retrieving head and pick-up tubing to the depth of 4855. Re condition well with 15.5# mud
40	11/6/2013	11/6/2013	Tbg/Csg dead - PU jt #155, latch onto RBP, open DHV - 40 psi on tbg/csg - monitor press for 30 mins, tbg/csg at 140 psi - notify WWilson, decided to top kill well with 18# mud, Wait on mud (for 3 hrs), release RBP - pump circulate 14 bbls dwn csg, csg press up (tbg on vac). Bleed csg off, pump dwn csg again, press right up. Bleed csg off, move tbg up/dwn, pump 3 bbls, RBP set (csg started to press up), bleed press off & plug release - Notify WWilson, decided to perforate tbg (move plug up hole & swabbing, plug still free) SWI, SDFN.
41	11/7/2013	11/7/2013	Tbg = 180 psi, Csg = 250 - RU wireline, RIh tag RBP at 4860' (WLD) perforate tbg at 4845', RD Wireline - circulate 34 bbls 18# down csg, flowed 7 bbls on tbg, pump 7 bbls 18# down tbg (broke circulation), shut down pump, bleed pressure off (well dead) POOH, LD RBP, 3 - 6' perforated subs & Electronic BHP too - I PU Nickel Coated Arrowset 1x Pkr (w/1.81F plug) TIH set Pkr at 4870' KB (element) J off, circulate Pkr Fluid, SWI, SDFN.
42	11/8/2013	11/8/2013	Tbg/Csg dead - circ 20 bbls Pkr Fluid - latch onto Pkr, land Tbg (10K comp.) lock pins - test Csg/Pkr to 500# for 30 min, good 100% test - ND BOP - NU Tree -test seal (donut/tree) to 2000# test good, - test Tbgto 1500# for 15 min 100% good test, RU WL - put 1500# on Tbg, RIH ruptured disc (1800#), TIH fish 1.81F plug (1900# on Tbg), RD WL - RU line from Tbg to 400 Frac Tank - RD Wsu (release to yard), Flowed 30 bbls Pkr Fluid, 10 mud (STP = 75#) RD Line to Frac tank, SWI, SDFN.
43	11/9/2013	11/9/2013	RU Frac tank, Flowed 500 bbls (flowed between 350# to 1100# after unloading Mud), SWI
44	11/10/2013	11/10/2013	Tbg at 2100#, Flowed 350 bbls (well cleaned up), SWI, SDFN.

Well Name Ratherford U 2432	API Number 4303731593	Qtr/Qtr SE/SW/NE	Section 24	TWN 41S	Range 23E	Regulatory Spud Date 2/28/1991	Field Name Ratherford	State/Province Utah
Original KB Elevation (ft) 4,658.00		KB-Ground Distance (ft) 16.00		Total Depth (ftKB) 5,526.0		PBTD (All) (ftKB) Original Hole - 5,494.0		

Vertical - Original Hole, 11/25/2013 10:17:28 AM



Diablo Analytical BTU Report

GPA 2145-03 Analysis

Sample Information

	Sample Information
Sample Name	RATHERFORD 24-32
Station Number	
Method Name	NGA CN10752004_2
Injection Date	11/20/2013 2:33:49 PM
Report Date	11/20/2013 02:38:54 PM
BTU Configuration File	GPA 2145-03 EMS.cfg
Data Source	Cerity data system connection
Instrument	G2801AGC - CN10752004
Data Saved To:	RATHERFORD 24-32-20131120-143854.btu

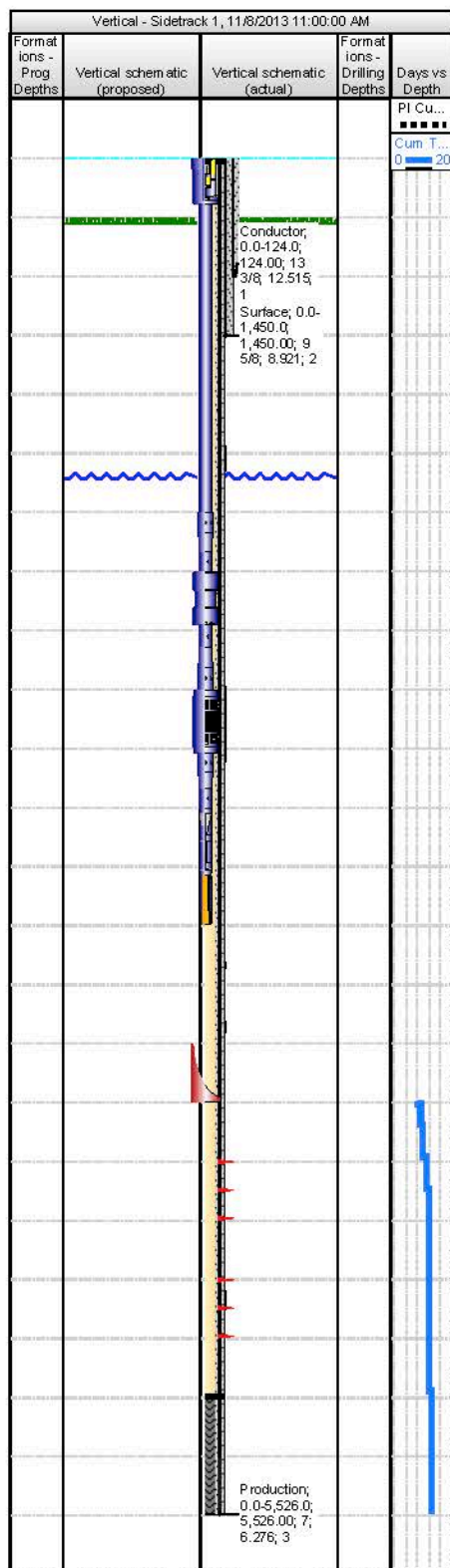
Component Results

Component Name	Ret. Time	Peak Area	Normalized Mole%	Heating Value (Btu / cu. ft.)	Molar Mass Ratio (G)	GPM (Gal. / 1000 cu. ft.)	
Nitrogen	0.294	7058	0.7359	0.0000	0.0071		
Methane	0.307	329039	53.4043	540.6313	0.2958		
Carbon Dioxide	0.423	12395	1.2758	0.0000	0.0194		
Hydrogen Sulfide	0.823	13243	1.3765	8.7901	0.0162		
Ethane	0.492	200119	19.5673	347.0837	0.2032	5.2643	
Propane	1.484	171072	14.8763	375.1835	0.2265	4.1230	
i-Butane	0.418	96150	1.7402	56.7222	0.0349	0.5730	
n-Butane	0.444	257073	4.6144	150.8885	0.0926	1.4643	
i-Pentane	0.533	59750	0.9508	38.1286	0.0237	0.3502	
n-Pentane	0.570	69206	1.0593	42.5624	0.0264	0.3862	
Hexanes Plus	1.484	72856	0.3992	20.5231	0.0128	0.1743	
Total:			100.0000	1580.5134	0.9587	12.3353	

Results Summary

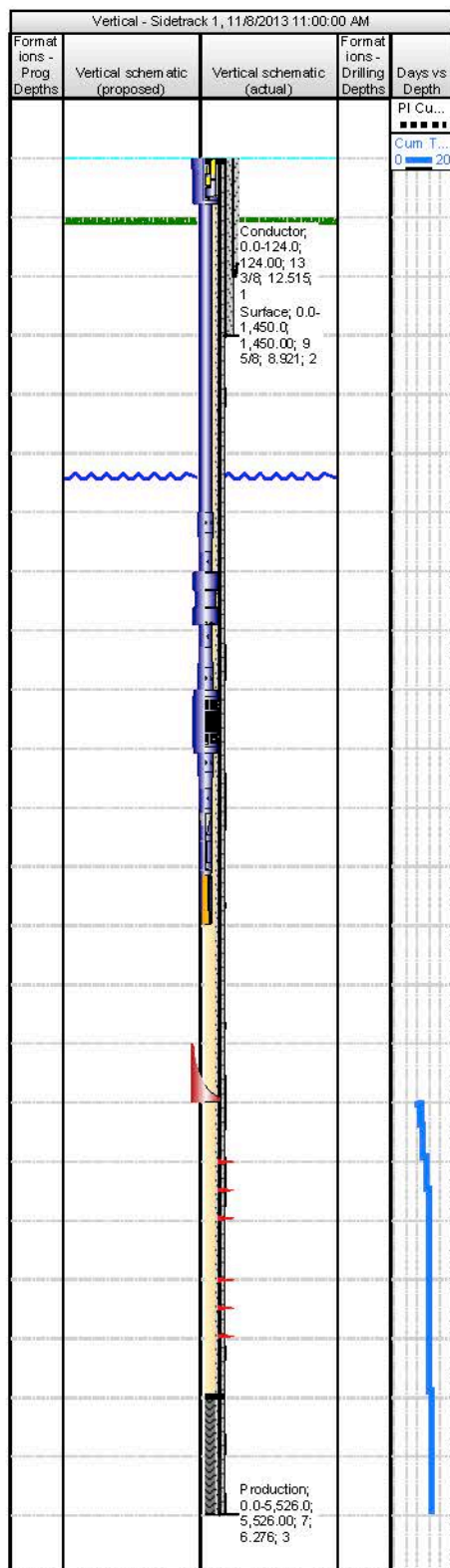
Result	Dry	Sat.	
Total Unnormalized Mole%	100.5988		
Pressure Base (psia)	14.730		
Water Mole%	-	1.7404	
Gross Heating Value (Btu / Ideal cu. ft.)	1580.5134	1553.0062	
Gross Heating Value (Btu / Real cu. ft.)	1590.9859	1563.8922	
Real Relative Density	0.96463	0.95911	
Gas Compressibility (Z) Factor	0.99342	0.99304	

API Number	Section	Gtr/Gtr	TWN	RGE	Block	Reg Spud Dt/Tm	Field Name	State/Prov	WV (%)
4303731593	24	SE/SWNE	41S	23E		2/28/1991 00:00	Ratherford	Utah	58.60



Tubing							
Tubing Description			Set Depth (ftKB)		Run Date		Pull Date
Tubing - Production			4,864.0		11/8/2013		
Comment							
Item Des	Icon	OD (in)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)	
Tubing Hanger	Tubin g hang er	7 1/16		0.50	0.0	0.5	
Tubing (Seamless)	Tubin g (blue)	2 7/8	J-55	4,851.11	0.5	4,851.6	
NC Cross Over	Swed ge - reduc ing	3 5/8		0.78	4,851.8	4,852.4	
NC T-2 On-Off Tool (w/1.81F seal nipple)	On- off tool 1	5 7/8		1.50	4,852.4	4,853.9	
NC Cross Over	Swed ge - enlar ging	3 5/8		0.80	4,853.9	4,854.5	
NC Arrow set 1X packer	Pack er 1	6		7.45	4,854.5	4,861.9	
NC Cross Over	Swed ge - reduc ing	3 5/8		0.63	4,861.9	4,862.6	
NC Profile Nipple - 1.78R (1.72" No-Go)	Profil e nippl e	3 1/16		1.00	4,862.6	4,863.6	
NC Wireline Guide	Wireli ne guide	3 1/16		0.40	4,863.6	4,864.0	
Rod Strings							
Rod Description			Set Depth (ftKB)		Run Date		Pull Date
Conventional Rod Pump String			64.0		1/19/2000		1/16/2009
Comment							
Item Des	Icon	OD (in)	Grade	Len (ft)	Max Tensile (1000lbf)	Top (ftKB)	Btm (ftKB)
Unknown	blank	1 1/2		26.00		0.0	26.0
Rod(s)	Rod (red)	7/8	HS	2.00		26.0	28.0
Rod(s)	Rod (red)	7/8	HS	4.00		28.0	32.0
Rod(s)	Rod (red)	7/8	HS	8.00		32.0	40.0
Rod Insert Pump Assembly	Rod pump	2		24.00		40.0	64.0
Rod Description			Set Depth (ftKB)		Run Date		Pull Date
Conventional Rod Pump			5,485.0		1/16/2009		5/30/2012
Comment							
3/4 rods parted, second rod above stabilizer.							
Item Des	Icon	OD (in)	Grade	Len (ft)	Max Tensile (1000lbf)	Top (ftKB)	Btm (ftKB)
Polished Rod	Polis h rod	1 1/2		26.00		-2.0	24.0

API Number	Section	Gtr/Gtr	TWN	RGE	Block	Reg Spud Dt/Tm	Field Name	State/Prov	WV (%)
4303731593	24	SE/SWNE	41S	23E		2/28/1991 00:00	Ratherford	Utah	58.60



Item Des	Icon	OD (in)	Grade	Len (ft)	Max Tensile (1000lbf)	Top (ftKb)	Btm (ftKb)
Pony Rod	Rod (green)	7/8		4.00		24.0	28.0
Pony Rod	Rod (green)	7/8		6.00		28.0	34.0
Pony Rod	Rod (green)	7/8		8.00		34.0	42.0
Sucker Rod	Rod (red)	7/8		2,175.00		42.0	2,217.0
Sucker Rod	Rod (red)	3/4		3,225.00		2,217.0	5,442.0
Rod Stabilizer	Rod Stabilizer	1 1/2		4.00		5,442.0	5,446.0
Rod Pump	Rod pump	1 1/4		23.00		5,446.0	5,469.0
Gas Anchor Dip Tube	Gas Anchor	1 1/4		16.00		5,469.0	5,485.0

Rod Description	Set Depth (ftKB)	Run Date	Pull Date
Rod	5,485.0	6/4/2012	10/9/2013
Comment			

Item Des	Icon	OD (in)	Grade	Len (ft)	Max Tensile (1000lbf)	Top (ftKB)	Btm (ftKB)
Polished Rod	Polish rod	1 1/2		26.00		-31.0	-5.0
Sucker Rod	Rod (red)	7/8	S88	2,100.00		-5.0	2,095.0
Sucker Rod	Rod (red)	3/4	S88	3,250.00		2,095.0	5,345.0
Sinker Bar	Sinker bar	1 1/2		100.00		5,345.0	5,445.0
Rod Pump	Rod pump	1 1/2		24.00		5,445.0	5,469.0
Gas Anchor	Gas Anchor	1 1/4		16.00		5,469.0	5,485.0

String Description	Run Date	Set Depth (ftKB)
--------------------	----------	------------------

Description	Icon	Bottom Depth (ftKB)	Run Date
Whipstock	Whipstock	4,986.0	10/11/2013
Description	Icon	Bottom Depth (ftKB)	Run Date
Retrievable Bridge Plug	Bridge plug - retrievable	4,862.0	10/29/2013
Description	Icon	Bottom Depth (ftKB)	Run Date
Packer	Bridge plug - retrievable	531.0	10/30/2013

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-247A			
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO			
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES		7. UNIT or CA AGREEMENT NAME: RATHERFORD			
3. ADDRESS OF OPERATOR: 1700 Lincoln Street, Suite 2800 , Denver, CO, 80203 4535		8. WELL NAME and NUMBER: RATHERFORD 24-32			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2128 FNL 1844 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 24 Township: 41.0S Range: 23.0E Meridian: S		9. API NUMBER: 43037315930000			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		9. FIELD and POOL or WILDCAT: GREATER ANETH			
TYPE OF SUBMISSION <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/20/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: ESP Replacement </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: ESP Replacement
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: ESP Replacement			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Resolute Natural Resources respectfully submits this sundry as notice of a ESP replacement on the above well. Attached are the procedures and schematic					
Accepted by the Utah Division of Oil, Gas and Mining Date: <u>October 23, 2014</u> By: <u><i>Derek Duff</i></u>					
NAME (PLEASE PRINT) Erin Joseph		PHONE NUMBER 303 573-4886			
SIGNATURE N/A		TITLE Sr. Regulatory Analyst			
DATE 10/17/2014					

RESOLUTE

NATURAL RESOURCES

RU 24-32 ESP Replacement

Procedure

Horsley Witten: NO

- 1) MIRU WSU. LOTO equipment. Test rig anchors as required.
- 2) Kill well as necessary.
- 3) NDWH. NU & test BOPE.
- 4) MIRU ESP cable spooler & cap string spooler. Well has 1/4" x 60' cap string.
- 5) POOH with the 2-7/8" tubing, ESP assembly, ESP cable, and 60' capillary string.
- 6) Stand back tubing & inspect for condition. Call Bill Albert for tubing inspection at (970) 371-9682 or call Tech Support: Virgil Holly (435) 444-0020 or Nate Dee (435) 730-5442.
- 7) Lay down failed ESP assembly, documenting the condition & if possible, cause of failure.
- 8) Make bit & scraper trip to top of window at 4987'. Perform N2 cleanout if any fill is encountered. POOH.
- 9) RIH with replacement ESP assembly & Centinel, ESP cable, 2-7/8" tubing, including 2-7/8" check valve two joints above the ESP & sliding sleeve w/2.313 'X' profile 1 joint above the check valve. Run 1/4" cap string to 60' depth.
- 10) Land tubing w/ ESP assembly bottom at ~4948' KB; same as before.
- 11) Perform WH penetrator tie-ins at tubing hanger for ESP cable & capillary string and land tubing.
- 12) ND BOPE. NUWH. Re-connect to power.
- 13) Perform necessary tests to ensure that the pump is ready to be returned to production.
- 14) Notify Operations Supervisor Alfred Redhouse (435) 619-7227 that the well is ready to return to production.
- 15) RDMOL.
- 16) Hook up appropriate chemical treatment.

RATHERFORD UNIT # 24-32

GREATER ANETH FIELD

2121' FNL & 1846' FEL

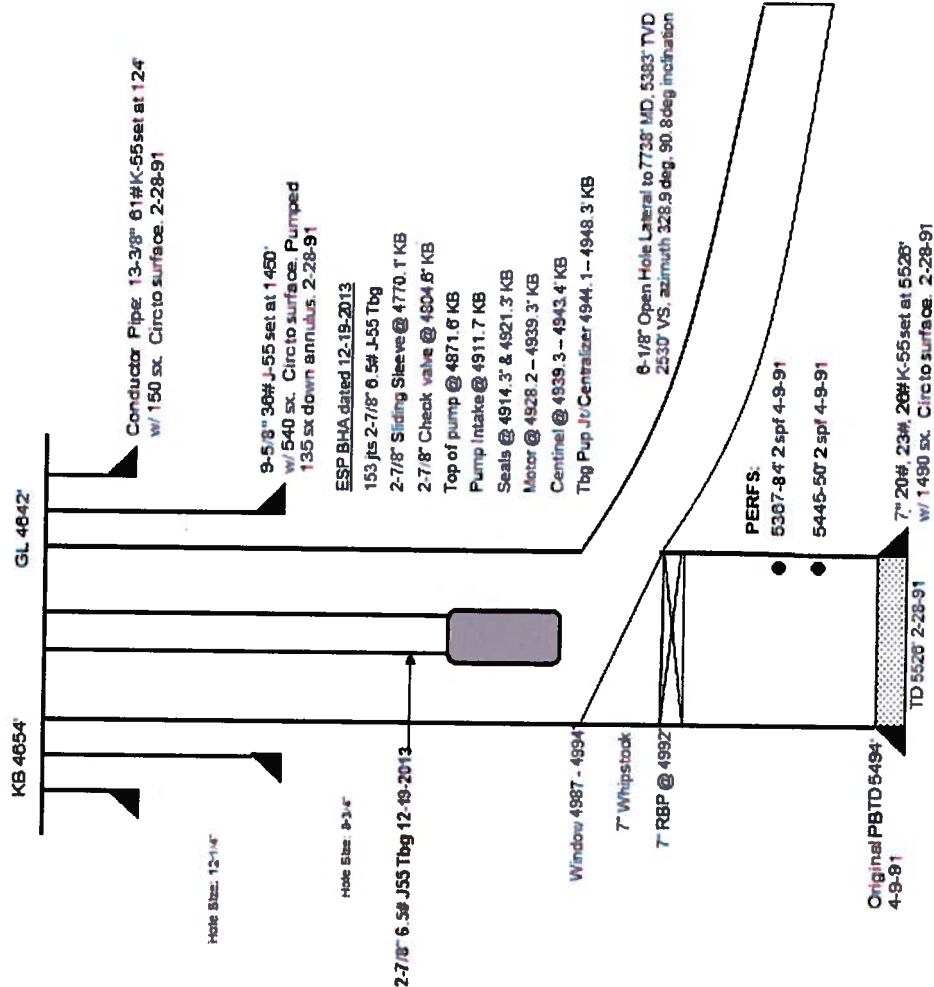
SEC 24-T41S-R23E

SAN JUAN COUNTY, UTAH

API 43-037-31593

PRISM 0043126

PRODUCER



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-247A
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES		7. UNIT or CA AGREEMENT NAME: RATHERFORD
3. ADDRESS OF OPERATOR: 1700 Lincoln Street, Suite 2800 , Denver, CO, 80203 4535		8. WELL NAME and NUMBER: RATHERFORD 24-32
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2128 FNL 1844 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 24 Township: 41.0S Range: 23.0E Meridian: S		9. API NUMBER: 43037315930000
PHONE NUMBER: 303 534-4600 Ext		9. FIELD and POOL or WILDCAT: GREATER ANETH
COUNTY: SAN JUAN		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/22/2014 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:
		<input checked="" type="checkbox"/> OTHER	OTHER: ESP Replacement	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

 Resolute Natural Resources submits this sundry as notice that the ESP replacement was completed on 11/22/2014 according to previously approved procedures.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 November 24, 2014

NAME (PLEASE PRINT) Erin Joseph	PHONE NUMBER 303 573-4886	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 11/24/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-247A			
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO			
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES		7. UNIT or CA AGREEMENT NAME: RATHERFORD			
3. ADDRESS OF OPERATOR: 1700 Lincoln Street, Suite 2800 , Denver, CO, 80203 4535		8. WELL NAME and NUMBER: RATHERFORD 24-32			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2128 FNL 1844 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 24 Township: 41.0S Range: 23.0E Meridian: S		9. API NUMBER: 43037315930000			
9. FIELD and POOL or WILDCAT: GREATER ANETH		COUNTY: SAN JUAN			
STATE: UTAH					
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/22/2015 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Resolute Natural Resources respectfully submits this sundry as notice of work on the above well, the plan is to pull the ESP pump and run rods, see that attached procedures and schematic for more detail.					
<div style="text-align: right;"> Accepted by the Utah Division of Oil, Gas and Mining Date: <u>October 27, 2015</u> By: <u><i>Derek Duff</i></u> </div>					
NAME (PLEASE PRINT) Erin Joseph		PHONE NUMBER 303 573-4886			
SIGNATURE N/A		TITLE Sr. Regulatory Analyst			
DATE 10/22/2015					

Resolute

Natural Resources

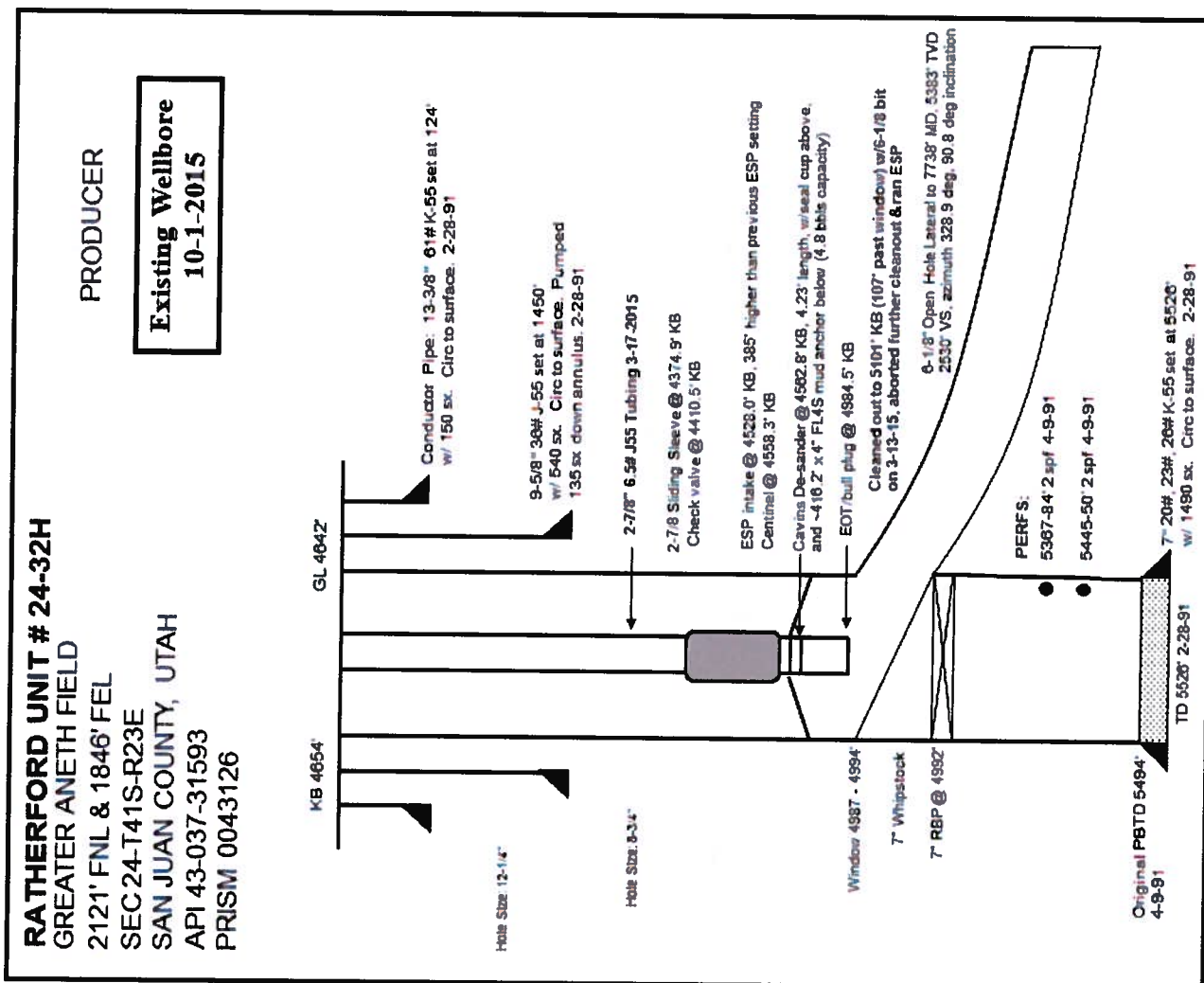
Date: Oct 5, 2015

Re: RU 24-32 Pull ESP Run Rods

Procedure

Horsley Witten: NO

- 1) MIRU daylight WSU. LOTO equipment. Test rig anchors as required.
- 2) RU Wireline & shift open the sleeve at 4375' KB. Circ & kill well.
- 3) NDWH. NU & test BOPE.
- 4) MIRU Centrilift cable spooler.
- 5) Pick up and pull 2-7/8" tubing and LD ESP assembly, including 1/4" x 60' capillary string and Cavins desander w/4" x 416' mud anchor below the ESP.
- 6) Stand back the 2-7/8 tubing. Call Bill Albert for tubing inspection at (970) 371-9682 or Tech Support: Virgil Holly (435) 444-0020 or Nate Dee (435) 730-5442.
- 7) RIH & retrieve 7" Baker whipstock at 4979' ;
- 8) RIH & retrieve the 7" RBP at 4992'. POOH.
- 9) Make bit only CO trip to PBD in 7" vertical wellbore at 5494'. Circulate clean. POOH.
- 10) RIH w/7" treating packer w/bypass, no tailpipe, to acidize with 400 gal xylene & 1500 gal inhibited 20% HCl acid w/iron control.
- 11) Set packer at ~5300'.
- 12) With bypass open, circulate the xylene and acid down to the packer, close bypass and put 500 psi back on the backside (expect some bleedoff to the lateral). Pump the treatment at maximum rate possible keeping under 3500 psi pressure limit. Bio-Balls (66 total) to be added on the fly for diversion, after bypass is closed, and if rate is adequate.
- 13) Displace the acid away with 45 bbls fresh water & shut down for minimum 2 hr soak, overnight if possible.
- 14) Flow the well back, or swab if required, until 125% of the treatment & displacement fluid (~115 bbls) is recovered.
- 15) Re-kill the well & POOH & LD treating packer.
- 16) TIH with 3-1/2 x 32' slotted mud anchor joint, changeover, CSN, changeover, 1 x 3-1/2" blast jt, changeover, 2 jts 2-7/8 YB tubing, 7" TAC, and 2-7/8 tubing to surface.
- 17) Set BHA with mud anchor/EOT at ~4925' KB, TAC at ~4797' KB.
- 18) NDBOP, NUWH.
- 19) RIH with 16' x 1-1/4" GA, new 2" insert pump, and rods. Contact Tech Support to confirm pump and rod details.
- 20) Long stroke pump to test for good pumping action.
- 21) Leave enough polished rod for operators to correctly space pump as required.
- 22) Notify Area Production Supervisor Alfred Redhouse (435) 619-7227 that well is ready to return to production.
- 23) RDMOL. Hook up appropriate chemical treatment.



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-247A
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES		7. UNIT or CA AGREEMENT NAME: RATHERFORD
3. ADDRESS OF OPERATOR: 1700 Lincoln Street, Suite 2800 , Denver, CO, 80203 4535		8. WELL NAME and NUMBER: RATHERFORD 24-32
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2128 FNL 1844 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 24 Township: 41.0S Range: 23.0E Meridian: S		9. API NUMBER: 43037315930000
PHONE NUMBER: 303 534-4600 Ext		9. FIELD and POOL or WILDCAT: GREATER ANETH
COUNTY: SAN JUAN		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <div style="border: 1px solid black; padding: 2px; display: inline-block;">12/1/2015</div> <input type="checkbox"/> SPUD REPORT Date of Spud:
<input type="checkbox"/> DRILLING REPORT Report Date:	<input checked="" type="checkbox"/> OTHER			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Resolute Natural Resources respectfully submits this sundry as notice that the ESP assembly was pulled on 12/1/2015 and rods were successfully ran

**Accepted by the
Utah Division of
Oil, Gas and Mining**

FOR RECORD ONLY

February 16, 2016

NAME (PLEASE PRINT) Erin Joseph	PHONE NUMBER 303 573-4886	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 2/16/2016	